



ASSEMBLY MACHINES

ASSEMBLY MACHINES

INTRODUCTION

Manuli assembling machines are part of our integrated product range and are designed according to high quality standards and optimised through Manuli's extensive experience in the hydraulic market.

Manuli assembling machines are recommended for a high-performance, safe hose assembling procedure.

All Manuli assembling machines are tested and approved in both laboratory and field validation exercises.

The following index offers a guideline to aid selection of the proper machine with reference to the applications and performance requested.

Special machines (not included in this catalogue) are available upon request, as well as original spare parts.

Manuli hose and fittings products must be assembled in strict accordance with Manuli instructions and limitations.

Don't mix and match: use always Manuli original couplings and hoses.

Manuli hose, couplings and assembling machines are tested as an effective and reliable system. The use of different products and machines may cause premature hose failures, property damage, serious injury or death.

MANULI MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY LOSS OR DAMAGE, WHETHER DIRECT, INDIRECT, CONSEQUENTIAL OR INCIDENTAL WHICH MIGHT ARISE OUT OF CRIMPED HOSE ASSEMBLIES NOT PRODUCED FROM GENUINE MANULI HOSE FITTINGS, HOSE AND EQUIPMENT, IN CONFORMANCE WITH MANULI PROCESS SPECIFICATIONS FOR EACH SPECIFIC HOSE ASSEMBLY.

The latest edition of the Manuli crimping booklet is the only official guide to selecting proper hose and fittings combinations and for determining crimping compatibility and parameters.

ASSEMBLY MACHINES INDEX

	MODEL	MACHINE TYPE	APPLICATION SECTOR	MACHINE PERFORMANCE	SECTION	ITEM
CRIMPING	MHP 80	Hand pump, portable	On site repair	Manual machine for small sizes	M1	1
	MHP 137	Hand pump, portable	On site repair	Manual machine for small/medium sizes		2
	MB 137 PLUS	Benchtop	Aftermarket service	Medium crimping force, small/medium sizes, limited productivity		3
	MB 240	Benchtop	Aftermarket service	Medium crimping force, medium productivity		4
	MB 350	Benchtop: very high crimp force	Aftermarket service	High crimping force, medium productivity, large size		5
	MB 350 L	Benchtop: very high crimp force	Aftermarket service	High crimping force, medium productivity, large size		6
	MV 137	Field service and mobile workshop	On site repair mobile van	Medium crimping force, limited productivity		7
	MV 137 L	Field service and mobile workshop	On site repair mobile van	Medium crimping force, limited productivity		8
	MV 240	Field service and mobile workshop	On site repair mobile van	Medium crimping force, limited productivity		9
	MV 240 L	Field service and mobile workshop	On site repair mobile van	Medium crimping force, limited productivity		10
	MV 350	Field service and mobile or container workshop	On site repair mobile van	High crimping force, medium productivity, large size		11
	GOLDENCRIMP 450	Benchtop	Field maintenance shops, wide hose range	Very high crimping force, tough environments, large size		12
	MVB 140	Vertical benchtop, cage dies	On site repair; Aftermarket service	Medium crimping force, small/medium sizes, limited productivity		13
	MS 140	Stand type crimp machine	Assembling production unit, small/medium sizes	Medium crimping force, high productivity for small - medium bore		14
	MS 280 L	Stand-type crimp machine, SCS control	Aftermarket service, First OEM eq	Medium crimping force, whole size range		15
	MS 320	Stand-type crimp machine, SCS control	Assembling production unit, OEM and distribution	High crimping force, high productivity, large size		16
	MS 480	Stand-type crimp machine, SCS control	Assembling production unit, OEM and large bore focus	Very high crimping force, high productivity, very large opening		17
	MS 800	Stand-type crimp machine, SCS control	Assembling production unit	Very high crimping force for large bore hose focus		18

ASSEMBLY MACHINES INDEX



	MODEL	MACHINE TYPE	APPLICATION SECTOR	MACHINE PERFORMANCE	SECTION	ITEM
CUTTING	M22 CUT	Benchtop	Aftermarket service	Medium size capacity	M2	1
	M30 CUT E	Benchtop cutting machine, optional skiving	Aftermarket service	Wide hose range capacity		2
	M30 CUT L	Stand type cutting machine	Aftermarket service (smoke absorption integrated)	Wide hose range capacity		3
	M30 CUT & SKIVE	Benchtop: integrated cutting & skiving	Aftermarket service	Wide hose range capacity		4
	M55 CUT	Stand type cutting machine	Aftermarket service and small-medium OEM workshop	Whole hose range capacity		5
	M75 CUT	Stand type cutting machine	Production unit	Whole hose range capacity		6
	M90 CUT	Stand type cutting machine	Production unit	Whole hose range capacity		7
SKIVING	MH SKY	Manual, portable skiving tool	Aftermarket service	Wide hose range capacity	M3	1
	M50 SKY	Benchtop, skiving	Aftermarket service	Wide hose range capacity		2
	M205 SKY	Stand type skive machine	Production unit	Whole hose range capacity		3
MARKING	M50 MARK	Benchtop, ferrules marking	Aftermarket service	Wide hose range capacity	M4	1
INSERT PUSHING	M1500 INS	Benchtop coupling inserter	Production unit	Whole hose range capacity	M5	1
TEST BENCH	MTB 1500	Stand type machine; proof pressure and certif.	Production unit	Wide hose range capacity	M6	1
	MTB 2500	Stand type machine; proof pressure and certif.	Production unit	Wide hose range capacity		2

MODULAR ASSEMBLY UNITS

In order to simplify the process of selecting appropriate equipment for new workshops, Manuli Hydraulics also offers a range of scaled machine modules. These modules include suitable combinations of cutting and crimping machines (and skiving where appropriate), based on the scale and planned throughput of the intended assembly operation.

MODULE		DESCRIPTION	CAPACITY	CUTTING	SKIVING	CRIMPING	
M0	STATIC	Small Service Workshop	<ul style="list-style-type: none"> • 1 1/4" 4WS • 25 Hoses / Day • Mixed sizes 	M22 CUT	M50 SKY	MB 137 PLUS	
	MOBILE			M22 CUT (12/24 V)	MH SKY	MV 137 (12/24V)	
M1	STATIC	Intermittent Service Workshop	<ul style="list-style-type: none"> • 2" 4WS • 50 Hoses / Day • Mixed sizes 	M30 CUT & SKIVE		MB 240	
	MOBILE					MV 240 (12/24 V or 220 1Ph)	
M2	STATIC	Continuous Service Workshop	<ul style="list-style-type: none"> • 2" 6WS - 3" 2WB • 100 Hoses / Day • Mixed sizes 	M55 CUT	M205 SKY PLUS	MB 350	
	MOBILE					MV 350 (12/24 V or 220 1Ph/3Ph) or GoldenCrimp/450	

MODULAR ASSEMBLY UNITS

MODULE		DESCRIPTION	CAPACITY	CUTTING	SKIVING	CRIMPING	
P1	STATIC	OEM Assembly Workshop	<ul style="list-style-type: none"> 1 1/4" 4WS - 2" 2WB >100 Hoses / Day Mixed sizes 	M55 CUT-P	M205 SKY	MS 280 L	
P2	STATIC	OEM Assembly Workshop	<ul style="list-style-type: none"> 2" 4WS - 3" 2WB >100 Hoses / Day Mixed sizes 	M90 CUT	M205 SKY <i>(With reinforced clamping system)</i>	MS 320	
P3	STATIC	OEM Assembly Workshop	<ul style="list-style-type: none"> 2" 6WS - 3" 4WS >100 Hoses / Day Mixed sizes 	M90 CUT	M205 SKY <i>(With reinforced clamping system)</i>	MS 480	
P4	STATIC	XXL Assembly Workshop	<ul style="list-style-type: none"> 3" 8WS - 4" 4WS - 8" Industrial Hose 50 Hoses / Day Mixed sizes 	MDH 15 CUT	MDH 205 SKY	MS 800	

Key

M Maintenance Operations

Intended for small or medium aftermarket, repair service

P Production Operations

Intended for small/medium/large OEM activity or large production aftermarket

DIE SET INDEX

MODEL		DIE N°																												DIE SET PACKAGES	QTY	KIT
		10	12	15	18	21	24	27	30	33	36	39	42	45	48	51	57	62	66	70	72	73	76	86	92	95	105	112	130			
MHP80	mm	56	56	56	56	56	56	56	56	-	-	56	-	-	-	-														ESA3110NH80KT	6	
	inch	2.205	2.205	2.205	2.205	2.205	2.205	2.205	2.205	2.205	-	-	2.205	-	-	-	-													ESA3110NH80KT	6	
MHP137	mm	56	56	56	56	56	56	56	56	70	75	70	70	70	70	75													ESA3220N137KT	10	KIT 10	
	inch	2.205	2.205	2.205	2.205	2.205	2.205	2.205	2.205	2.205	2.756	2.953	2.756	2.756	2.756	2.756	2.953												ESA3220NKT13JF	13	KIT 13	
MB 137 MV 137	mm	56	56	56	56	56	56	56	56	70	75	70	70	70	70	75													ESA3220N137KT	10	KIT 10	
	inch	2.205	2.205	2.205	2.205	2.205	2.205	2.205	2.205	2.205	2.756	2.953	2.756	2.756	2.756	2.756	2.953												ESA3220NKT13JF	13	KIT 13	
MB 240 MV 240	mm	56	56	56	56	56	70	90	90	90	90	90	90	100	100	100	100	100	100	100	100								ESA3320N240KT	12	KIT 12	
	inch	2.205	2.205	2.205	2.205	2.205	2.756	3.543	3.543	3.543	3.543	3.543	3.543	3.543	3.937	3.937	3.937	3.937	3.937	3.937	3.937	3.937							ESA3320N240KTF	18	KIT 18	
MB 350 MV 350	mm	56	56	56	56	56	70	90	90	90	90	90	90	100	100	110	110	110	110	100	100	125	125		125	125			ESA3330N340KT	13	KIT 13	
	inch	2.205	2.205	2.205	2.205	2.205	2.756	3.543	3.543	3.543	3.543	3.543	3.543	3.543	3.937	3.937	4.331	4.331	4.331	4.331	3.937	3.937	4.921	4.921		4.921	4.921		ESA3330N340KTF	20	KIT 20	
GOLDENCRIMP 450	mm	56	56	56	56	56	70	90	90	90	90	90	90	100	100	110	110	110	110	100	100	125	125	150	125	150	150	150	ESA3330N450KT	13	KIT 13	
	inch	2.205	2.205	2.205	2.205	2.205	2.756	3.543	3.543	3.543	3.543	3.543	3.543	3.543	3.937	3.937	4.331	4.331	4.331	4.331	3.937	3.937	4.921	4.921	5.906	4.921	5.906	5.906	5.906	ESA3330N450KTF	20	KIT 20
MS140	mm	56	70	70	70	70	70	70	70	70	75	70	70	70	70	75													ESA3540N140KT	10	KIT 10	
	inch	2.205	2.756	2.756	2.756	2.756	2.756	2.756	2.756	2.756	2.756	2.953	2.756	2.756	2.756	2.756	2.953												ESA3540N140KTF	12	KIT 12	
MS280L	mm	56	56	56	56	56	70	90	90	90	90	90	90	100	100	100	100	110	100	100	100								-	18		
	inch	2.205	2.205	2.205	2.205	2.205	2.756	3.543	3.543	3.543	3.543	3.543	3.543	3.543	3.937	3.937	3.937	3.937	4.331	3.937	3.937	3.937							ESA3320N240KTF	18	KIT 18	
MS320	mm	90	90	90	90	90	90	90	90	90	90	90	90	95	100	110	110	110	110	100	100	120	120	-	125	125			ESA3540N320KT	13	KIT 13	
	inch	3.543	3.543	3.543	3.543	3.543	3.543	3.543	3.543	3.543	3.543	3.543	3.543	3.543	3.740	3.937	4.331	4.331	4.331	4.331	3.937	3.937	4.724	4.724		4.921	4.921		ESA3540N320KTF	20	KIT 20	
MS480	mm	90	90	90	90	90	90	90	100	90	90	90	90	100	100	110	110	110	110	100	100	125	125	150	125	150	150	150	ESA3540N480KT	13	KIT 13	
	inch	3.543	3.543	3.543	3.543	3.543	3.543	3.543	3.937	3.543	3.543	3.543	3.543	3.543	3.937	3.937	4.331	4.331	4.331	4.331	3.937	3.937	4.921	4.921	5.906	4.921	5.906	5.906	5.906	ESA3540N480KTF	20	KIT 20
MS800	mm			90	90	90	90	90	100	90		90	90	100	100	110	110	110	110	100	100	125	125	150	125	150	180	150	180	ESA3540N480KT	13	KIT 13
	inch			3.543	3.543	3.543	3.543	3.543	3.937	3.543		3.543	3.543	3.937	3.937	4.331	4.331	4.331	4.331	3.937	3.937	4.921	4.921	5.906	4.921	5.906	7.087	5.906	7.087	ESA3540N800KTF	18	KIT 18

- xx Die set standard package
- xx Die set full package
- xx Optional die sets
- xx Diamondspir die sets (optional)
- xx Master die

CRIMPING MACHINES

MHP 80

FIELD SERVICE & MOBILE WORKSHOP

HAND PUMP, PORTABLE



KEY ADVANTAGES

- Compact
- Lightweight
- Easy to use
- Balanced design
- Dual stage pump

MAIN APPLICATIONS

Dedicated to repair shops or maintenance departments making low volumes of small and medium sized hose assemblies. Also ideal for carrying out on-site repairs.

TECHNICAL SPECIFICATIONS

Dimensions:	330 x 250 x 400 mm (13 x 10 x 16")	Crimp Range:	4 - 43 mm (0.157 - 1.693")
Net Weight:	28 kg (62 lb)	Crimp Force:	80 t
Packaging:	800 x 600 x 830 mm (31 x 24 x 33")	Opening with Dies:	+20 mm (+0.787")
Gross Weight:	41 kg (90 lb)	Complete Opening:	59 mm (2.323")
Capacity:	2wb: 1" max.	Master Die Length:	56 mm (2.205")
	4ws: 1/2" max.	Standard Dies:	15, 18, 21, 24, 27, 30, 39

Technical Features:

- Hand pump: 5000 psi (double speed)
- Options available: hydropneumatic pump

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit	1"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit	1/2"	Rockmaster/12; Rockmaster/4SP; Shieldmaster 6000 (DN10 & DN12 spiral)

ORDERING INFORMATION

Product Code	Description
EOA3110NMHP80	MHP 80 (NO DIES)
EOA3110NMHP80PPPM	MHP 80 MANUAL PUMP + PPPM

CRIMPING MACHINES

MHP 80

FIELD SERVICE & MOBILE WORKSHOP

HAND PUMP, PORTABLE

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3110N80-06	Die set n. 06 - length 56 mm	6	06-08	56	2.205
ESA3220NL056D008L2	Die set n. 08 - length 56 mm	8	08-10	56	2.205
ESA3110N80-10	Die set n. 10 - length 56 mm	10	10-12	56	2.205
ESA3110N80-12	Die set n. 12 - length 56 mm	12	12-15	56	2.205
ESA3110N80-15	Die set n. 15 - length 56 mm	15	15-18	56	2.205
ESA3110N80-18	Die set n. 18 - length 56 mm	18	18-21	56	2.205
ESA3110N80-21	Die set n. 21 - length 56 mm	21	21-24	56	2.205
ESA3110N80-24	Die set n. 24 - length 56 mm	24	24-27	56	2.205
ESA3110N80-27	Die set n. 27 - length 56 mm	27	27-30	56	2.205
ESA3110N80-30	Die set n. 30 - length 56 mm	30	30-43	56	2.205
ESA3110NH80KT	Kit 6 dies MHP80/HCRIMP80 (n.15 to n.30)	-	-	-	-

CRIMPING MACHINES

MHP 137

FIELD SERVICE & MOBILE WORKSHOP

HAND PUMP, PORTABLE



KEY ADVANTAGES

- High capacity
- Narrow head
- Audio-visual signal
- 350 bar technology more robust & reliable than 700 bar
- Large opening

MAIN APPLICATIONS

Dedicated to repair shops or maintenance departments making low volumes of small and medium sized hose assemblies. Can also be used in a vehicle for on-site repairs.

TECHNICAL SPECIFICATIONS

Dimensions:	480 x 250 x 340 mm (19 x 10 x 13")	Crimp Range:	4 - 70 mm (0.157 - 2.756")
Net Weight:	55 kg (121 lb)	Crimp Force:	137 t
Packaging:	800 x 600 x 830 mm (31 x 24 x 33")	Opening with Dies:	+28 mm (+1.102")
Gross Weight:	75 kg (165 lb)	Complete Opening:	100 mm (3.937")
Capacity:	2wb: 1 1/4" max. 4ws: 1 1/4" max.	Master Die Length:	75 mm (2.362")
Technical Features:	Options available: Hydropneumatic pump	Standard Dies:	15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51 and Refrifast dies 14, 18, 21

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit; MF3000 OPF; MF3000 OPK	1 1/4" (with extra dies 45/51)	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF3000 OPF; MF3000 OPK	1 1/4" (with extra dies 45/51)	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
4 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock	3/4"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex

ORDERING INFORMATION

Product Code	Description
EOA3110NMHP137P2	MHP 137
EOA3110NMHP137PHP	MHP 137 HP
EOA3110NMHP137PHPM	MHP 137 HPM

CRIMPING MACHINES

MHP 137

FIELD SERVICE & MOBILE WORKSHOP

HAND PUMP, PORTABLE

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3220NL56-6	Die set n. 6 - length 56 mm	6	06-08	56	2.205
ESA3220NL56-8	Die set n. 8 - length 56 mm	8	08-10	56	2.205
ESA3220NL56-10	Die set n. 10 - length 56 mm	10	10-12	56	2.205
ESA3220NL56-12	Die set n. 12 - length 56 mm	12	12-15	56	2.205
ESA3220NL56-15	Die set n. 15 - length 56 mm	15	15-18	56	2.205
ESA3220NL56-17	Die set n. 17 - length 56 mm	17	17-18	56	2.205
ESA3220NL56-18	Die set n. 18 - length 56 mm	18	18-21	56	2.205
ESA3220NL56-20	Die set n. 20 - length 56 mm	20	20-21	56	2.205
ESA3220NL56-21	Die set n. 21 - length 56 mm	21	21-24	56	2.205
ESA3220N137-24	Die set n. 24 - length 56 mm	24	24-27	56	2.205
ESA3220N137-27	Die set n. 27 - length 56 mm	27	27-30	56	2.205
ESA3220N137-30	Die set n. 30 - length 56 mm	30	30-33	56	2.205
ESA3220N137-33	Die set n. 33 - length 70 mm	33	33-36	70	2.756
ESA3220N75-36	Die set n. 36 - length 75 mm	36	36-39	75	2.953
ESA3220N137-39	Die set n. 39 - length 70 mm	39	39-42	70	2.756
ESA3320N140-42	Die set n. 42 - length 70 mm	42	42-45	70	2.756
ESA3220N137-45	Die set n. 45 - length 70 mm	45	45-48	70	2.756
ESA3220N137-48	Die set n. 48 - length 70 mm	48	48-51	70	2.756
ESA3220N137-51	Die set n. 51 - length 75 mm	51	51-57	75	2.953
ESA3220N137KT	Kit 10 dies MB137/S/MV137(n.15 to n.48)	-	-	-	-
ESA3220N137KT9J	Kit 9 dies MB137/S/MV137 (n.15 to n.48)	-	-	-	-
ESA3220NKIT6J	Kit 6 dies MB137/S/MV137 (n.15 to n.39)	-	-	-	-
ESA3220N137KTF	Kit 13 dies MB137/S/MV137(n.15 to n.51)	-	-	-	-

Notes:

Refrigeration hose special dies available upon request

CRIMPING MACHINES



MB 137 PLUS

SMALL SERVICE WORKSHOP (1 1/4" 4WS)

BENCHTOP

KEY ADVANTAGES

- Compact, short head
- Micrometer and cylinder protection
- Large opening
- Die storage included
- Easy to move
- Accurate
- Easy die set up
- Ergonomic design

MAIN APPLICATIONS

Dedicated to maintenance departments or repair shops, as well as hose distributors.

TECHNICAL SPECIFICATIONS

Dimensions:	600 x 650 x 550 mm (24 x 26 x 22")	Motor:	2.2 kW
Net Weight:	120 kg (265 lb)	Noise Level:	72 dB A
Packaging:	800 x 600 x 830 mm (31 x 24 x 33")	Crimp Range:	4 - 70 mm (0.157 - 2.756")
Gross Weight:	130 kg (287 lb)	Crimp Force:	137 t
Voltages:	220/240 V, 3Ph, 50 Hz	Opening with Dies:	+28 mm (+1.102")
	380/415 V, 3Ph, 50 Hz	Complete Opening:	100 mm (3.937")
	208/240 V, 3Ph, 60 Hz	Master Die Length:	75 mm (2.953")
	380/415 V, 3Ph, 60 Hz	Standard Dies:	15, 18, 21, 24, 27, 30, 33
Capacity:	2wb: 1 1/4" max.		36, 39, 42, 45, 48, 51
	4ws: 1 1/4" max.	Technical Features:	Other voltages available on request

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit; MF3000 OPF; MF3000 OPK	1 1/4"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF3000 OPF; MF3000 OPK	1 1/4"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
4 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock	3/4"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex



Performances measured on a 400 V, 3Ph, 50 Hz network

CRIMPING MACHINES

MB 137 PLUS

SMALL WORKSHOP SERVICE (1¼" 4WS)

BENCHTOP

ORDERING INFORMATION

Product Code	Description
EOA3224NMB137	MB 137+ 380/415V 3PH 50HZ
EOA3227NMB137	MB 137+ 220/240V 3PH 50HZ
EOA3229NMB137	MB 137+ 208/240V 3PH 60HZ
EOA322BNMB137	MB 137+ 380/415V 3PH 60HZ

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3220NL56-6	Die set n. 6 - length 56 mm	6	06-08	56	2.205
ESA3220NL56-8	Die set n. 8 - length 56 mm	8	08-10	56	2.205
ESA3220NL56-10	Die set n. 10 - length 56 mm	10	10-12	56	2.205
ESA3220NL56-12	Die set n. 12 - length 56 mm	12	12-15	56	2.205
ESA3220NL56-15	Die set n. 15 - length 56 mm	15	15-18	56	2.205
ESA3220NL56-17	Die set n. 17 - length 56 mm	17	17-18	56	2.205
ESA3220NL56-18	Die set n. 18 - length 56 mm	18	18-21	56	2.205
ESA3220NL56-20	Die set n. 20 - length 56 mm	20	20-21	56	2.205
ESA3220NL56-21	Die set n. 21 - length 56 mm	21	21-24	56	2.205
ESA3220N137-24	Die set n. 24 - length 56 mm	24	24-27	56	2.205
ESA3220N137-27	Die set n. 27 - length 56 mm	27	27-30	56	2.205
ESA3220N137-30	Die set n. 30 - length 56 mm	30	30-33	56	2.205
ESA3220N137-33	Die set n. 33 - length 70 mm	33	33-36	70	2.756
ESA3220N75-36	Die set n. 36 - length 75 mm	36	36-39	75	2.953
ESA3220N137-39	Die set n. 39 - length 70 mm	39	39-42	70	2.756
ESA3320N140-42	Die set n. 42 - length 70 mm	42	42-45	70	2.756
ESA3220N137-45	Die set n. 45 - length 70 mm	45	45-48	70	2.756
ESA3220N137-48	Die set n. 48 - length 70 mm	48	48-51	70	2.756
ESA3220N137-51	Die set n. 51 - length 75 mm	51	51-57	75	2.953
ESA3220N137KT	Kit 10 dies MB137+/S/MV137(n.15 to n.48)	-	-	-	-
ESA3220N137KT9J	Kit 9 dies MB137+/S/MV137 (n.15 to n.48)	-	-	-	-
ESA3220NKIT6J	Kit 6 dies MB137+/S/MV137 (n.15 to n.39)	-	-	-	-
ESA3220N137KTF	Kit 13 dies MB137+/S/MV137(n.15 to n.51)	-	-	-	-

Notes:

Refrigeration hose special dies available upon request

CRIMPING MACHINES

MB 240

PROFESSIONAL WORKSHOP

BENCHTOP



KEY ADVANTAGES

- Ergonomic micrometer
- Radial die movement
- High crimping force
- Electronic control including counters and semi-automatic opening
- Built-in safety system to prevent incorrect die choice
- Cylinder protection
- Easy front access for elbow fittings
- Energy savings

MAIN APPLICATIONS

Dedicated to hydraulic maintenance specialists working on medium sized machines and equipment. Also suitable for assemblers involved in medium sized hoses and quantities.

TECHNICAL SPECIFICATIONS

Dimensions:	1120 x 670 x 915 mm (44 x 26 x 36")	Motor:	4.0 kW
Net Weight:	190 kg (419 lb)	Noise Level:	66 dB A
Packaging:	1170 x 770 x 1100 mm (46 x 30 x 43")	Crimp Range:	4 - 76 mm (0.157 - 2.992")
Gross Weight:	234 kg (516 lb)	Crimp Force:	240 t
Voltages:	220/240 V, 3Ph, 50 Hz	Opening with Dies:	+38 mm (+1.496")
	380/415 V, 3Ph, 50 Hz	Complete Opening:	118 mm (4.645")
	208/240 V, 3Ph, 60 Hz	Master Die Length:	100 mm (3.937")
	380/415 V, 3Ph, 60 Hz	Standard Dies:	15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 62, 66, 70, 72
Capacity:	2ws: 2" max.		
	4ws: 2" max.		
	6ws: 1" max.		

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit; MF3000 OPF; MF3000 OPK	2"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF3000 OPF; MF3000 OPK	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
4 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock; MF2000 Spiralfit	1 1/4"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
6 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock	1"	Diamondspir; Goldenblast/Six



Performances measured on a 400 V, 3Ph, 50 Hz network

CRIMPING MACHINES

MB 240

PROFESSIONAL WORKSHOP

BENCHTOP

ORDERING INFORMATION

Product Code	Description
EOA3324NMB240P	MB 240 380/415V 3PH 50HZ
EOA3327NMB240P	MB 240 220/240V 3PH 50HZ
EOA3329NMB240P	MB 240 208/240V 3PH 60HZ
EOA332BNMB240P	MB 240 380/415V 3PH 60HZ

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3220NL56-10	Die set n. 10 - length 56 mm	10	10-12	56	2.205
ESA3220NL56-12	Die set n. 12 - length 56 mm	12	12-15	56	2.205
ESA3220NL56-15	Die set n. 15 - length 56 mm	15	15-18	56	2.205
ESA3220NL56-18	Die set n. 18 - length 56 mm	18	18-21	56	2.205
ESA3220NL56-21	Die set n. 21 - length 56 mm	21	21-24	56	2.205
ESA3320N140-24	Die set n. 24 - length 70 mm	24	24-27	70	2.756
ESA3320NL90-27	Die set n. 27 - length 90 mm	27	27-30	90	3.543
ESA3320NL90-30	Die set n. 30 - length 90 mm	30	30-33	90	3.543
ESA3320NL90-33	Die set n. 33 - length 90 mm	33	33-36	90	3.543
ESA3320NL90-36	Die set n. 36 - length 90 mm	36	36-39	90	3.543
ESA3320NL90-39	Die set n. 39 - length 90 mm	39	39-42	90	3.543
ESA3320NL90-42	Die set n. 42 - length 90 mm	42	42-45	90	3.543
ESA3320N100-45	Die set n. 45 - length 100 mm	45	45-48	100	3.937
ESA3320NL100-48	Die set n. 48 - length 100 mm	48	48-51	100	3.937
ESA3320N100-51	Die set n. 51 - length 100 mm	51	51-57	100	3.937
ESA3320N100-54	Die set n. 54 - length 100 mm	54	54-57	100	3.937
ESA3320N100-57	Die set n. 57 - length 100 mm	57	57-62	100	3.937
ESA3320N100-62	Die set n. 62 - length 110 mm	62	62-66	110	4.331
ESA3320N100-66	Die set n. 66 - length 100 mm	66	66-70	100	3.937
ESA3320N100-70	Die set n. 70 - length 100 mm	70	70-72	100	3.937
ESA3330NL100D072L2	Die set n. 72 - length 100 mm	72	72-73	100	3.937
ESA3320N240KT	Kit 12 dies MB240/MV240 (n.15 to n.66)	-	-	-	-
ESA3320N240KTF	Kit 18 dies MB240/MV240 (n.15 to n.72)	-	-	-	-

Notes:

Refrigeration hose special dies available upon request

CRIMPING MACHINES

MB 350

FULL SERVICE WORKSHOP

BENCHTOP; VERY HIGH CRIMP FORCE



KEY ADVANTAGES

- High power and large opening in a very compact design
- Radial die movement (easy positioning of fitting: no axial movement during crimping)
- Groove for 90° long drop fittings
- Energy savings (stop & start concept)
- Electronic control including counter and semi-automatic opening
- Easy set up with ergonomic, intuitive and precise micrometer

MAIN APPLICATIONS

Dedicated to professional hydraulic maintenance specialists, professional service workshops, and large bore after-market hose assemblers.

TECHNICAL SPECIFICATIONS

Dimensions:	1005 x 655 x 668 mm (40 x 26 x 26.5")	Motor:	5.5 kW
Net Weight:	290 kg (639 lb)	Noise Level:	<65 dB A
Packaging:	1170 x 760 x 1100 mm (46 x 30 x 43")	Crimp Range:	4 - 130 mm (0.157 - 5.118")
Gross Weight:	350 kg (772 lb)	Crimp Force:	350 t
Voltages:	220/240 V, 3Ph, 50 Hz	Opening with Dies:	+54 mm (+2.125")
	380/415 V, 3Ph, 50 Hz	Complete Opening:	180 mm (7.086")
	208/240 V, 3Ph, 60 Hz	Master Die Length:	115 mm (4.523")
	380/415 V, 3Ph, 60 Hz	Standard Dies:	15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 62, 66, 70, 72, 73, 76
Capacity:	2wb: 3" max.	Technical Features:	- Automatic maintenance alerts - Cylinder protection against dust - durable design
	Textile / Suction Hose: 4" max.	Safety remarks:	Please consider hose-fitting-machine integration when crimping. Possible limitations in case of double elbow fittings.
	4ws: 2" max.		
	6ws: 2" max.		

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit; MF3000 OPF; MF3000 OPK	3" with extra dies	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF2000 Interlock Plus; MF2000 Spiralfit; MF3000 OPF; MF3000 OPK	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex; Goldenblast
6 Wire Spirals	MF2000 Interlock Plus; MF2000 Spiralfit	2"	Rockmaster/13; GoldenIso/35 Xtraflex; Goldenblast
6 Wire Spirals	MF2000 Interlock Plus; MF2000 Spiralfit; MF2000 Xtralock	1½"	Diamondspir; Rockmaster/15; GoldenISO/42 Xtraflex; Shieldmaster/6000



Performances measured on a 400 V, 3Ph, 50 Hz network

CRIMPING MACHINES

MB 350

FULL SERVICE WORKSHOP

BENCHTOP, VERY HIGH CRIMP FORCE

ORDERING INFORMATION

Product Code	Description
EOA3324NMB350P	MB 350+380/415V 3PH 50HZ
EOA3334NMB350SCS	MB 350 380/415V 3PH 50HZ 5.5KW
EOA3327NMB350P	MB 350 220/240V 3PH 50HZ
EOA3337NMB350SCS	MB 350 220/240V 3PH 50HZ 5.5KW
EOA3329NMB350P	MB 350 208/240V 3PH 60HZ
EOA3339NMB350SCS	MB 350 208/240V 3PH 60HZ 5.5KW
EOA332BNMB350P	MB 350 380/415V 3PH 60HZ

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3220NL56-10	Die set n. 10 - length 56 mm	10	10-12	56	2.205
ESA3220NL56-12	Die set n. 12 - length 56 mm	12	12-15	56	2.205
ESA3220NL56-15	Die set n. 15 - length 56 mm	15	15-18	56	2.205
ESA3220NL56-18	Die set n. 18 - length 56 mm	18	18-21	56	2.205
ESA3220NL56-21	Die set n. 21 - length 56 mm	21	21-24	56	2.205
ESA3320N140-24	Die set n. 24 - length 70 mm	24	24-27	70	2.756
ESA3320NL90-27	Die set n. 27 - length 90 mm	27	27-30	90	3.543
ESA3320NL90-30	Die set n. 30 - length 90 mm	30	30-33	90	3.543
ESA3320NL90-33	Die set n. 33 - length 90 mm	33	33-36	90	3.543
ESA3320NL90-36	Die set n. 36 - length 90 mm	36	36-39	90	3.543
ESA3320NL90-39	Die set n. 39 - length 90 mm	39	39-42	90	3.543
ESA3320NL90-42	Die set n. 42 - length 90 mm	42	42-45	90	3.543
ESA3320N100-45	Die set n. 45 - length 100 mm	45	45-48	100	3.937
ESA3320NL100-48	Die set n. 48 - length 100 mm	48	48-51	100	3.937
ESA3320N110-51	Die set n. 51 - length 110 mm	51	51-57	110	4.331
ESA3320N110-57	Die set n. 57 - length 110 mm	57	57-62	110	4.331
ESA3320N110-62	Die set n. 62 - length 110 mm	62	62-66	110	4.331
ESA3330N125-66	Die set n. 66 - length 110 mm	66	66-70	110	4.331
ESA3320N100-70	Die set n. 70 - length 100 mm	70	70-72	100	3.937
ESA3330NL100D072L2	Die set n. 72 - length 100 mm	72	72-73	100	3.937
ESA3540N125-73	Die set n. 73 - length 125 mm	73	73-76	125	4.921
ESA3540N125-76A	Die set n. 76 - length 125 mm	76	76-86	125	4.921
ESA3540N125-90	Die set n. 90 - length 125 mm	90	90-95	125	4.921
ESA3540N12595	Die set n. 95 - length 125 mm	95	95-105	125	4.921
ESA3330N340KT	Kit 13 dies MB350/L/MV350 (n.15 to n.73)	-	-	-	-
ESA3330N340KTF	Kit 20 dies MB350/L/MV350 (n.15 to n.76)	-	-	-	-

Notes:

Refrigeration hose special dies available upon request

CRIMPING MACHINES

MB 350 L

FULL SERVICE WORKSHOP

BENCHTOP; VERY HIGH CRIMP FORCE



KEY ADVANTAGES

- High power and large opening in a very compact design
- Radial die movement (easy positioning of fitting: no axial movement during crimping)
- Groove for 90° long drop fittings
- Energy savings (stop & start concept)
- Electronic control including counter and semi-automatic opening
- Easy set up with ergonomic, intuitive and precise micrometer

MAIN APPLICATIONS

Dedicated to professional hydraulic maintenance specialists, professional service workshops, and large bore after-market hose assemblers.

TECHNICAL SPECIFICATIONS

Dimensions: 1005 x 655 x 668 mm (40 x 26 x 26.5")

Net Weight: 260 kg (573 lb)

Packaging: 1170 x 760 x 1100 mm (46 x 30 x 43")

Gross Weight: 350 kg (772 lb)

Voltages: 220/240 V, 3Ph, 50 Hz

380/415 V, 3Ph, 50 Hz

208/240 V, 3Ph, 60 Hz

380/415 V, 3Ph, 60 Hz

Capacity: 2wb: 3" max.

Textile / Suction Hose: 4" max.

4ws: 2" max.

6ws: 1½" max.

Motor: 4.0 kW

Noise Level: <65 dB A

Crimp Range: 4 - 130 mm (0.157 - 5.118")

Crimp Force: 350 t

Opening with Dies: +54 mm (+2.125")

Complete Opening: 180 mm (7.086")

Master Die Length: 115 mm (4.523")

Standard Dies: 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 62, 66, 70, 72, 73, 76

Technical Features:

- Automatic maintenance alerts

- Cylinder protection against dust (durable design)

Safety Remarks:

Please consider hose-fitting-machine integration when crimping. Possible limitations in case of double elbow fittings.

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit; MF3000 OPF; MF3000 OPK	3" with extra dies	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF2000 Interlock Plus; MF2000 Xtralock; MF2000 Spiralfit; MF3000 OPF; MF3000 OPK	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex; Goldenblast
6 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock; MF2000 Spiralfit	1½"	Rockmaster/13; Rockmaster/15; GoldenISO/35 Xtraflex; GoldenISO/42 Xtraflex; Diamondspir; Shieldmaster/6000; Goldenblast/six



Performances measured on a 400 V, 3Ph, 50 Hz network

manuli[®]
HYDRAULICS

CRIMPING MACHINES

MB 350 L

FULL SERVICE WORKSHOP

BENCHTOP; VERY HIGH CRIMP FORCE

ORDERING INFORMATION

Product Code	Description
EOA3324NMB350LP	MB 350 L 380/415V 3PH 50HZ
EOA3327NMB350LP	MB 350 L 220/240V 3PH 50HZ
EOA3329NMB350LP	MB 350 L 208/240V 3PH 60HZ
EOA332BNMB350LP	MB 350 L 380/415V 3PH 60HZ

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3220NL56-10	Die set n. 10 - length 56 mm	10	10-12	56	2.205
ESA3220NL56-12	Die set n. 12 - length 56 mm	12	12-15	56	2.205
ESA3220NL56-15	Die set n. 15 - length 56 mm	15	15-18	56	2.205
ESA3220NL56-18	Die set n. 18 - length 56 mm	18	18-21	56	2.205
ESA3220NL56-21	Die set n. 21 - length 56 mm	21	21-24	56	2.205
ESA3320N140-24	Die set n. 24 - length 70 mm	24	24-27	70	2.756
ESA3320NL90-27	Die set n. 27 - length 90 mm	27	27-30	90	3.543
ESA3320NL90-30	Die set n. 30 - length 90 mm	30	30-33	90	3.543
ESA3320NL90-33	Die set n. 33 - length 90 mm	33	33-36	90	3.543
ESA3320NL90-36	Die set n. 36 - length 90 mm	36	36-39	90	3.543
ESA3320NL90-39	Die set n. 39 - length 90 mm	39	39-42	90	3.543
ESA3320NL90-42	Die set n. 42 - length 90 mm	42	42-45	90	3.543
ESA3320N100-45	Die set n. 45 - length 100 mm	45	45-48	100	3.937
ESA3320NL100-48	Die set n. 48 - length 100 mm	48	48-51	100	3.937
ESA3320N110-51	Die set n. 51 - length 110 mm	51	51-57	110	4.331
ESA3320N110-57	Die set n. 57 - length 110 mm	57	57-62	110	4.331
ESA3320N110-62	Die set n. 62 - length 110 mm	62	62-66	110	4.331
ESA3330N125-66	Die set n. 66 - length 110 mm	66	66-70	110	4.331
ESA3320N100-70	Die set n. 70 - length 100 mm	70	70-72	100	3.937
ESA3330NL100D072L2	Die set n. 72 - length 100 mm	72	72-73	100	3.937
ESA3540N125-73	Die set n. 73 - length 125 mm	73	73-76	125	4.921
ESA3540N125-76A	Die set n. 76 - length 125 mm	76	76-86	125	4.921
ESA3540N125-86	Die set n. 86 - length 125 mm	86	86-90	125	4.921
ESA3540N125-90	Die set n. 90 - length 125 mm	90	90-95	125	4.921
ESA3540N12595	Die set n. 95 - length 125 mm	95	95-105	125	4.921
ESA3330N340KT	Kit 13 dies MB350/L/MV350 (n.15 to n.73)	-	-	-	-
ESA3330N340KTF	Kit 20 dies MB350/L/MV350 (n.15 to n.76)	-	-	-	-

Notes:

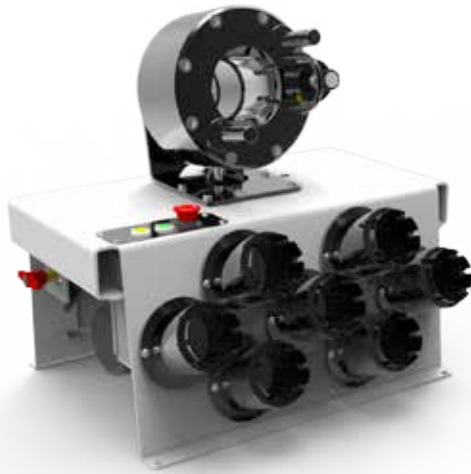
Refrigeration hose special dies available upon request

CRIMPING MACHINES

MV 137

FIELD SERVICE & MOBILE WORKSHOP

MOBILE VAN



KEY ADVANTAGES

- Robust and compact design
- Lightweight
- High crimping speed
- Suitable also for 90° elbow fittings
- Cylinder protection
- Remote head mounting option possible

MAIN APPLICATIONS

Designed for hydraulic maintenance specialists for on-site repairs with mobile vans. It is possible to install the crimp head separately from the power pack to gain space inside the vehicle and obtain a lower centre of gravity.

TECHNICAL SPECIFICATIONS

Dimensions:	650 x 550 x 610 mm (26 x 22 x 24")	Motor:	2.0 kW
Net Weight:	103 kg (227 lb)	Noise Level:	72 dB A
Packaging:	800 x 600 x 830 mm (31 x 24 x 33")	Crimp Range:	4 - 70 mm (0.157 - 2.756")
Gross Weight:	120 kg (265 lb)	Crimp Force:	137 t
Voltages:	12 V	Opening with Dies:	+28 mm (+1.102")
	24 V	Complete Opening:	100 mm (3.937")
Capacity:	2wb: 1 1/4" max.	Master Die Length:	75 mm (2.952")
	4ws: 1 1/4" max.	Standard Dies:	15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51

Technical Features:

Options available: Die storage, ergonomic gun, battery and charger, die sets for brake and air-conditioning hoses, marking dies

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit; MF3000 OPF; MF3000 OPK	1 1/4"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF3000 OPF; MF3000 OPK	1 1/4"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
4 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock	3/4"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex

CRIMPING MACHINES

MV 137

FIELD SERVICE & MOBILE WORKSHOP

MOBILE VAN

ORDERING INFORMATION

Product Code	Description
EOA3251N12137	MV 137 12V
EOA3252N24137	MV 137 24V

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3220NL56-6	Die set n. 6 - length 56 mm	6	06-08	56	2.205
ESA3220NL56-8	Die set n. 8 - length 56 mm	8	08-10	56	2.205
ESA3220NL56-10	Die set n. 10 - length 56 mm	10	10-12	56	2.205
ESA3220NL56-12	Die set n. 12 - length 56 mm	12	12-15	56	2.205
ESA3220NL56-15	Die set n. 15 - length 56 mm	15	15-18	56	2.205
ESA3220NL56-17	Die set n. 17 - length 56 mm	17	17-18	56	2.205
ESA3220NL56-18	Die set n. 18 - length 56 mm	18	18-21	56	2.205
ESA3220NL56-20	Die set n. 20 - length 56 mm	20	20-21	56	2.205
ESA3220NL56-21	Die set n. 21 - length 56 mm	21	21-24	56	2.205
ESA3220N137-24	Die set n. 24 - length 56 mm	24	24-27	56	2.205
ESA3220N137-27	Die set n. 27 - length 56 mm	27	27-30	56	2.205
ESA3220N137-30	Die set n. 30 - length 56 mm	30	30-33	56	2.205
ESA3220N137-33	Die set n. 33 - length 70 mm	33	33-36	70	2.756
ESA3220N75-36	Die set n. 36 - length 75 mm	36	36-39	75	2.953
ESA3220N137-39	Die set n. 39 - length 70 mm	39	39-42	70	2.756
ESA3320N140-42	Die set n. 42 - length 70 mm	42	42-45	70	2.756
ESA3220N137-45	Die set n. 45 - length 70 mm	45	45-48	70	2.756
ESA3220N137-48	Die set n. 48 - length 70 mm	48	48-51	70	2.756
ESA3220N137-51	Die set n. 51 - length 75 mm	51	51-57	75	2.953
ESA3220N137KT	Kit 10 dies MB137/S/MV137(n.15 to n.48)	-	-	-	-
ESA3220N137KT9J	Kit 9 dies MB137/S/MV137 (n.15 to n.48)	-	-	-	-
ESA3220NKIT6J	Kit 6 dies MB137/S/MV137 (n.15 to n.39)	-	-	-	-
ESA3220N137KTF	Kit 13 dies MB137/S/MV137(n.15 to n.51)	-	-	-	-

Notes:

Refrigeration hose special dies available upon request

CRIMPING MACHINES



MV 137 L

FIELD SERVICE & MOBILE WORKSHOP

MOBILE VAN

KEY ADVANTAGES

- Robust and compact design
- Lightweight
- High crimping speed
- Suitable also for 90° elbow fittings
- Cylinder protection

MAIN APPLICATIONS

Designed for hydraulic maintenance specialists for on-site repairs with mobile vans. It is possible to install the crimp head separately from the power pack to gain space inside the vehicle and obtain a lower centre of gravity. This machine is equipped with a cable remote control.

TECHNICAL SPECIFICATIONS

Dimensions:	250 x 320 x 300 mm (10 x 13 x 12")	Crimp Range:	4 - 70 mm (0.157 - 2.756")
Net Weight:	86 kg (190 lb)	Crimp Force:	137 t
Packaging:	800 x 600 x 830 mm (31 x 24 x 33")	Opening with Dies:	+28 mm (+1.102")
Gross Weight:	102 kg (225 lb)	Complete Opening:	100 mm (3.937")
Voltages:	12 V	Master Die Length:	75 mm (2.952")
	24 V	Standard Dies:	15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51
Capacity:	2wb: 1 1/4" max. 4ws: 1 1/4" max.	Technical Features:	- Options available: Die storage, ergonomic gun, battery and charger, die sets for brake and air-conditioning hoses, marking dies - Dimensions of power pack: 440 x 320 x 320 mm (17 x 13 x 13")
Motor:	2.0 kW		
Noise Level:	72 dB A		

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit; MF3000 OPF; MF3000 OPK	1 1/4"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF3000 OPF; MF3000 OPK	1 1/4"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
4 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock	3/4"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex

CRIMPING MACHINES

MV 137 L

FIELD SERVICE & MOBILE WORKSHOP

MOBILE VAN

ORDERING INFORMATION

Product Code	Description
EOA3251NMV137L	MV 137 L 12V
EOA3252NMV137L	MV 137 L 24V

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3220NL56-6	Die set n. 6 - length 56 mm	6	06-08	56	2.205
ESA3220NL56-8	Die set n. 8 - length 56 mm	8	08-10	56	2.205
ESA3220NL56-10	Die set n. 10 - length 56 mm	10	10-12	56	2.205
ESA3220NL56-12	Die set n. 12 - length 56 mm	12	12-15	56	2.205
ESA3220NL56-15	Die set n. 15 - length 56 mm	15	15-18	56	2.205
ESA3220NL56-17	Die set n. 17 - length 56 mm	17	17-18	56	2.205
ESA3220NL56-18	Die set n. 18 - length 56 mm	18	18-21	56	2.205
ESA3220NL56-20	Die set n. 20 - length 56 mm	20	20-21	56	2.205
ESA3220NL56-21	Die set n. 21 - length 56 mm	21	21-24	56	2.205
ESA3220N137-24	Die set n. 24 - length 56 mm	24	24-27	56	2.205
ESA3220N137-27	Die set n. 27 - length 56 mm	27	27-30	56	2.205
ESA3220N137-30	Die set n. 30 - length 56 mm	30	30-33	56	2.205
ESA3220N137-33	Die set n. 33 - length 70 mm	33	33-36	70	2.756
ESA3220N75-36	Die set n. 36 - length 75 mm	36	36-39	75	2.953
ESA3220N137-39	Die set n. 39 - length 70 mm	39	39-42	70	2.756
ESA3320N140-42	Die set n. 42 - length 70 mm	42	42-45	70	2.756
ESA3220N137-45	Die set n. 45 - length 70 mm	45	45-48	70	2.756
ESA3220N137-48	Die set n. 48 - length 70 mm	48	48-51	70	2.756
ESA3220N137-51	Die set n. 51 - length 75 mm	51	51-57	75	2.953
ESA3220N137KT	Kit 10 dies MB137/S/MV137 (n.15 to n.48)	-	-	-	-
ESA3220N137KT9J	Kit 9 dies MB137/S/MV137 (n.15 to n.48)	-	-	-	-
ESA3220NKIT6J	Kit 6 dies MB137/S/MV137 (n.15 to n.39)	-	-	-	-
ESA3220N137KTF	Kit 13 dies MB137/S/MV137 (n.15 to n.51)	-	-	-	-

Notes:

Refrigeration hose special dies available upon request

CRIMPING MACHINES

MV 240

FIELD SERVICE & MOBILE WORKSHOP

MOBILE VAN



KEY ADVANTAGES

- Robust design
- Ergonomic micrometer
- High crimping speed
- Radial movement of the dies
- Cylinder protection
- Remote head mounting option possible

MAIN APPLICATIONS

Designed for hydraulic maintenance specialists for on-site repairs with mobile vans. It is possible to install the crimp head separately from the power pack to gain space inside the vehicle and obtain a lower centre of gravity.

TECHNICAL SPECIFICATIONS

Dimensions:	650 x 550 x 670 mm (26 x 22 x 26")	Motor:	2.0 kW
Net Weight:	145 kg (320 lb)	Noise Level:	72 dB A
Packaging:	800 x 600 x 830 mm (31 x 24 x 33")	Crimp Range:	4 - 76 mm (0.157 - 2.992")
Gross Weight:	180 kg (397 lb)	Crimp Force:	240 t
Voltages:	12 V	Opening with Dies:	+38 mm (+1.496")
	24 V	Complete Opening:	118 mm (4.646")
	220/240 V, 3Ph, 50 Hz	Master Die Length:	100 mm (3.937")
	380/415 V, 3Ph, 50 Hz	Standard Dies:	15, 18, 21, 24, 27, 30, 33, 36, 39,
	208/240 V, 3Ph, 60 Hz		42, 45, 48, 51, 57, 62, 66, 70, 72
	380/415 V, 3Ph, 60 Hz	Technical Features:	
Capacity:	2ws: 2" max.	Options available: Die storage, ergonomic gun, battery and charger, die sets for brake and air-conditioning hoses, marking dies	
	4ws: 2" max.		
	6ws: 1" max.		

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit; MF3000 OPF; MF3000 OPK	2"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF3000 OPF; MF3000 OPK	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
4 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock; MF2000 Spiralfit	1¼"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
6 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock	1"	Diamondspir; Goldenblast/Six

CRIMPING MACHINES

MV 240

FIELD SERVICE & MOBILE WORKSHOP

MOBILE VAN

ORDERING INFORMATION

Product Code	Description
EOA3351N12240	MV 240 12V
EOA3352N24240	MV 240 24V
EOA3324NMV240	MV 240 380/415V 3PH 50HZ
EOA3327NMV240	MV 240 220/240V 3PH 50HZ
EOA3329NMV240	MV 240 208/240V 3PH 60HZ
EOA332BNMV240	MV 240 380/415V 3PH 60HZ

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3220NL56-10	Die set n. 10 - length 56 mm	10	10-12	56	2.205
ESA3220NL56-12	Die set n. 12 - length 56 mm	12	12-15	56	2.205
ESA3220NL56-15	Die set n. 15 - length 56 mm	15	15-18	56	2.205
ESA3220NL56-18	Die set n. 18 - length 56 mm	18	18-21	56	2.205
ESA3220NL56-21	Die set n. 21 - length 56 mm	21	21-24	56	2.205
ESA3320N140-24	Die set n. 24 - length 70 mm	24	24-27	70	2.756
ESA3320NL90-27	Die set n. 27 - length 90 mm	27	27-30	90	3.543
ESA3320NL90-30	Die set n. 30 - length 90 mm	30	30-33	90	3.543
ESA3320NL90-33	Die set n. 33 - length 90 mm	33	33-36	90	3.543
ESA3320NL90-36	Die set n. 36 - length 90 mm	36	36-39	90	3.543
ESA3320NL90-39	Die set n. 39 - length 90 mm	39	39-42	90	3.543
ESA3320NL90-42	Die set n. 42 - length 90 mm	42	42-45	90	3.543
ESA3320N100-45	Die set n. 45 - length 100 mm	45	45-48	100	3.937
ESA3320NL100-48	Die set n. 48 - length 100 mm	48	48-51	100	3.937
ESA3320N100-51	Die set n. 51 - length 100 mm	51	51-57	100	3.937
ESA3320N100-54	Die set n. 54 - length 100 mm	54	54-57	100	3.937
ESA3320N100-57	Die set n. 57 - length 100 mm	57	57-62	100	3.937
ESA3320N100-62	Die set n. 62 - length 100 mm	62	62-66	110	4.331
ESA3320N100-66	Die set n. 66 - length 100 mm	66	66-70	100	3.937
ESA3320N100-70	Die set n. 70 - length 100 mm	70	70-72	100	3.937
ESA3330NL100D072L2	Die set n. 72 - length 100 mm	72	72-73	100	3.937
ESA3320N240KT	Kit 12 dies MB240/MV240 (n.15 to n.66)	-	-	-	-
ESA3320N240KTF	Kit 18 dies MB240/MV240 (n.15 to n.72)	-	-	-	-

Notes:

Refrigeration hose special dies available upon request

CRIMPING MACHINES

MV 240 L

FIELD SERVICE & MOBILE WORKSHOP

MOBILE VAN



KEY ADVANTAGES

- Robust design
- Ergonomic micrometer
- High crimping speed
- Radial movement of the dies
- Cylinder protection

MAIN APPLICATIONS

Designed for hydraulic maintenance specialists for on-site repairs with mobile vans. It is possible to install the crimp head separately from the power pack to gain space inside the vehicle and obtain a lower centre of gravity. This machine is equipped with a cable remote control.

TECHNICAL SPECIFICATIONS

Dimensions:	320 x 360 x 350 mm (13 x 13.5 x 14")	Motor:	2.0 kW
Net Weight:	130 kg (287 lb)	Noise Level:	72 dB A
Packaging:	800 x 600 x 830 mm (31 x 24 x 33")	Crimp Range:	4 - 76 mm (0.157 - 2.992")
Gross Weight:	180 kg (397 lb)	Crimp Force:	240 t
Voltages:	12 V	Opening with Dies:	+38 mm (+1.496")
	24 V	Complete Opening:	118 mm (4.646")
	220/240 V, 3Ph, 50 Hz	Master Die Length:	100 mm (3.937")
	380/415 V, 3Ph, 50 Hz	Standard Dies:	15, 18, 21, 24, 27, 30, 33, 36, 39,
	208/240 V, 3Ph, 60 Hz		42, 45, 48, 51, 57, 62, 66, 70, 72
	380/415 V, 3Ph, 60 Hz	Technical Features:	
Capacity:	2wb: 2" max.	- Options available: Die storage, ergonomic gun, battery and charger, die sets for brake and air-conditioning hoses, marking dies	
	4ws: 2" max.	- Dimensions of power pack: 440 x 320 x 320 mm (17 x 13 x 13")	
	6ws: 1" max.		

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit; MF3000 OPF; MF3000 OPK	2"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF3000 OPF; MF3000 OPK	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
4 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock; MF2000 Spiralfit	1 1/4"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
6 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock	1"	Diamondspir; Goldenblast/Six

CRIMPING MACHINES

MV 240 L

FIELD SERVICE & MOBILE WORKSHOP

MOBILE VAN

ORDERING INFORMATION

Product Code	Description
EOA3251NMV240L	MV 240 L 12V

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3220NL56-10	Die set n. 10 - length 56 mm	10	10-12	56	2.205
ESA3220NL56-12	Die set n. 12 - length 56 mm	12	12-15	56	2.205
ESA3220NL56-15	Die set n. 15 - length 56 mm	15	15-18	56	2.205
ESA3220NL56-18	Die set n. 18 - length 56 mm	18	18-21	56	2.205
ESA3220NL56-21	Die set n. 21 - length 56 mm	21	21-24	56	2.205
ESA3320N140-24	Die set n. 24 - length 70 mm	24	24-27	70	2.756
ESA3320NL90-27	Die set n. 27 - length 90 mm	27	27-30	90	3.543
ESA3320NL90-30	Die set n. 30 - length 90 mm	30	30-33	90	3.543
ESA3320NL90-33	Die set n. 33 - length 90 mm	33	33-36	90	3.543
ESA3320NL90-36	Die set n. 36 - length 90 mm	36	36-39	90	3.543
ESA3320NL90-39	Die set n. 39 - length 90 mm	39	39-42	90	3.543
ESA3320NL90-42	Die set n. 42 - length 90 mm	42	42-45	90	3.543
ESA3320N100-45	Die set n. 45 - length 100 mm	45	45-48	100	3.937
ESA3320NL100-48	Die set n. 48 - length 100 mm	48	48-51	100	3.937
ESA3320N100-51	Die set n. 51 - length 100 mm	51	51-57	100	3.937
ESA3320N100-54	Die set n. 54 - length 100 mm	54	54-57	100	3.937
ESA3320N100-57	Die set n. 57 - length 100 mm	57	57-62	100	3.937
ESA3320N100-62	Die set n. 62 - length 100 mm	62	62-66	110	4.331
ESA3320N100-66	Die set n. 66 - length 100 mm	66	66-70	100	3.937
ESA3320N100-70	Die set n. 70 - length 100 mm	70	70-72	100	3.937
ESA3330NL100D072L2	Die set n. 72 - length 100 mm	72	72-73	100	3.937
ESA3320N240KT	Kit 12 dies MB240/MV240 (n.15 to n.66)	-	-	-	-
ESA3320N240KTF	Kit 18 dies MB240/MV240 (n.15 to n.72)	-	-	-	-

Notes:

Refrigeration hose special dies available upon request

CRIMPING MACHINES

MV 350

FIELD SERVICE & MOBILE / CONTAINER WORKSHOP

MOBILE VAN



KEY ADVANTAGES

- Robust design
- Large opening
- High crimping force
- Ergonomic micrometer
- High crimping speed
- Radial movement of the dies
- Cylinder protection
- Remote head mounting option possible

MAIN APPLICATIONS

Designed for hydraulic maintenance specialists for on-site repairs in mobile vans and an ideal solution for container shops. The high crimp force makes this machine a versatile solution for the whole hydraulic hose range. It is possible to install the crimp head separately from the power pack to gain space inside the vehicle and obtain a lower centre of gravity.

TECHNICAL SPECIFICATIONS

Dimensions:	650 x 550 x 750 mm (26 x 22 x 30")	Motor:	2.0 kW
Net Weight:	210 kg (463 lb)	Noise Level:	<65 dB A
Packaging:	800 x 600 x 830 mm (31 x 24 x 33")	Crimp Range:	4 - 130 mm (0.157 - 5.118")
Gross Weight:	260 kg (573 lb)	Crimp Force:	350 t
Voltages:	12 V	Opening with Dies:	+54 mm (+2.125")
	24 V	Complete Opening:	180 mm (7.086")
	220/240 V, 3Ph, 50 Hz	Master Die Length:	115 mm (4.528")
	380/415 V, 3Ph, 50 Hz	Standard Dies:	15, 18, 21, 24, 27, 30, 33, 36, 39, 42,
	208/240 V, 3Ph, 60 Hz		45, 48, 51, 57, 62, 66, 70, 72, 73, 76
	380/415 V, 3Ph, 60 Hz	Technical Features:	
Capacity:	2wb: 3" max.	Options available: Die storage, ergonomic gun, battery and charger, die sets for brake and air-conditioning hoses, marking dies	
	4ws: 2" max.	Safety Remarks:	
	6ws: 2" max.	Possible limitations in case of double elbow fittings	
	Textile / Suction Hose: 4"		

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit; MF3000 OPK; MF3000 OPF	3" with extra dies	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF2000 Interlock Plus; MF2000 Spiralfit; MF3000 OPK; MF3000 OPF	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex; Goldenblast
6 Wire Spirals	MF2000 Interlock Plus; MF2000 Spiralfit	2"	Rockmaster/13; GoldenISO/35 Xtraflex; Goldenblast/six
6 Wire Spirals	MF2000 Interlock Plus; MF2000 Spiralfit; MF2000 Xtralock	1½"	Diamondspir; Rockmaster/15; GoldenISO/42 Xtraflex; Shieldmaster/6000

CRIMPING MACHINES

MV 350

FIELD SERVICE & MOBILE / CONTAINER WORKSHOP

MOBILE VAN

ORDERING INFORMATION

Product Code	Description
EOA3351N12350	MV 350 12V 12V
EOA3352N24350	MV 350 24V 24V
EOA3324NMV350	MV 350 380/415V 3PH 50HZ
EOA3327NMV350	MV 350 220/240V 3PH 50HZ
EOA3329NMV350	MV 350 208/240V 3PH 60HZ
EOA332BNMV350	MV 350 380/415V 3PH 60HZ

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3220NL56-10	Die set n. 10 - length 56 mm	10	10-12	56	2.205
ESA3220NL56-12	Die set n. 12 - length 56 mm	12	12-15	56	2.205
ESA3220NL56-15	Die set n. 15 - length 56 mm	15	15-18	56	2.205
ESA3220NL56-18	Die set n. 18 - length 56 mm	18	18-21	56	2.205
ESA3220NL56-21	Die set n. 21 - length 56 mm	21	21-24	56	2.205
ESA3320N140-24	Die set n. 24 - length 70 mm	24	24-27	70	2.756
ESA3320NL90-27	Die set n. 27 - length 90 mm	27	27-30	90	3.543
ESA3320NL90-30	Die set n. 30 - length 90 mm	30	30-33	90	3.543
ESA3320NL90-33	Die set n. 33 - length 90 mm	33	33-36	90	3.543
ESA3320NL90-36	Die set n. 36 - length 90 mm	36	36-39	90	3.543
ESA3320NL90-39	Die set n. 39 - length 90 mm	39	39-42	90	3.543
ESA3320NL90-42	Die set n. 42 - length 90 mm	42	42-45	90	3.543
ESA3320N100-45	Die set n. 45 - length 100 mm	45	45-48	100	3.937
ESA3320NL100-48	Die set n. 48 - length 100 mm	48	48-51	100	3.937
ESA3320N110-51	Die set n. 51 - length 110 mm	51	51-57	110	4.331
ESA3320N110-57	Die set n. 57 - length 110 mm	57	57-62	110	4.331
ESA3320N110-62	Die set n. 62 - length 110 mm	62	62-66	110	4.331
ESA3330N125-66	Die set n. 66 - length 110 mm	66	66-70	110	4.331
ESA3320N100-70	Die set n. 70 - length 100 mm	70	70-72	100	3.937
ESA3330NL100D072L2	Die set n. 72 - length 100 mm	72	72-73	100	3.937
ESA3540N125-73	Die set n. 73 - length 125 mm	73	73-76	125	4.921
ESA3540N125-76A	Die set n. 76 - length 125 mm	76	76-86	125	4.921
ESA3540N125-90	Die set n. 90 - length 125 mm	90	90-95	125	4.921
ESA3540N12595	Die set n. 95 - length 125 mm	95	95-105	125	4.921
ESA3330N340KT	Kit 13 dies MB350/L/MV350 (n.15 to n.73)	-	-	-	-
ESA3330N340KTF	Kit 20 dies MB350/L/MV350 (n.15 to n.76)	-	-	-	-

Notes:

Refrigeration hose special dies available upon request

CRIMPING MACHINES

GOLDENCRIMP 450

ASSEMBLING FOR FIELD REPAIR

BENCHTOP CRIMP MACHINE



KEY ADVANTAGES

- High crimp force (450 tons)
- Large opening
- Wide family of dies for industrial hoses
- Long master dies
- Robust - designed for harsh environments
- Low noise level
- Easy die set-up with ergonomic gun
- Metallic guard for the set stop

MAIN APPLICATIONS

Dedicated to field repair assemblers operating in harsh environments (mines, construction areas, drilling rigs, etc.). Suitable for the whole hose range (small and large bore hoses). Designed to be extremely robust to resist aggressive environmental conditions (wiper seal, powder protection, grease connections for master dies, easy accessibility for maintenance and handling).

TECHNICAL SPECIFICATIONS

Dimensions:	830 x 775 x 1450 mm (33 x 31 x 57")	Noise Level:	<65 dB A
Net Weight:	720 kg (1587 lb)	Crimp Range:	4 - 130 mm (0.157 - 5.118")
Packaging:	1120 x 1020 x 1770 mm (44 x 40 x 70")	Crimp Force:	450 t
Voltages:	220/240 V, 3Ph, 50 Hz	Opening with Dies:	+70 mm (+2.755")
	380/415 V, 3Ph, 50 Hz	Complete Opening:	202 mm (7.950")
	208/240 V, 3Ph, 60 Hz	Master Die Length:	140 mm (5.512")
	380/415 V, 3Ph, 60 Hz	Standard Dies:	15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 62, 66, 70, 72, 73, 76
Capacity:	6ws: 3" max.	Safety remarks:	Please consider hose-fitting-machine integration when crimping
	Industrial: 4" max.		
	6ws: 3" max.		
Motor:	5.5 kW		

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit; MF3000 OPF; MF3000 OPK	4"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF2000 Interlock Plus; MF2000 Xtralock; MF2000 Spiralfit; MF3000 OPF; MF3000 OPK	3"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex; Xtraflow/4WS; Goldenblast
6 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock; MF2000 Spiralfit	3"	Diamondspir/21; Rockmaster/13; Rockmaster/15; Goldenblast/Six
Industrial Textile Hoses		4"	Spirtex/K; Others



Performances measured on a 400 V, 3Ph, 50 Hz network

CRIMPING MACHINES

GOLDENCRIMP 450

ASSEMBLING FOR FIELD REPAIR

BENCHTOP CRIMP MACHINE

ORDERING INFORMATION

Product Code	Description
EOA3324NMSCRIG450	GOLDENCRIMP/450 380/415V 3PH 50HZ

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3220NL56-10	Die set n. 10 - length 56 mm	10	10-12	56	2.205
ESA3220NL56-12	Die set n. 12 - length 56 mm	12	12-15	56	2.205
ESA3220NL56-15	Die set n. 15 - length 56 mm	15	15-18	56	2.205
ESA3220NL56-18	Die set n. 18 - length 56 mm	18	18-21	56	2.205
ESA3220NL56-21	Die set n. 21 - length 56 mm	21	21-24	56	2.205
ESA3320N140-24	Die set n. 24 - length 70 mm	24	24-27	70	2.756
ESA3320NL90-27	Die set n. 27 - length 90 mm	27	27-30	90	3.543
ESA3320NL90-30	Die set n. 30 - length 90 mm	30	30-33	90	3.543
ESA3320NL90-33	Die set n. 33 - length 90 mm	33	33-36	90	3.543
ESA3320NL90-36	Die set n. 36 - length 90 mm	36	36-39	90	3.543
ESA3320NL90-39	Die set n. 39 - length 90 mm	39	39-42	90	3.543
ESA3320NL90-42	Die set n. 42 - length 90 mm	42	42-45	90	3.543
ESA3320N100-45	Die set n. 45 - length 100 mm	45	45-48	100	3.937
ESA3320NL100-48	Die set n. 48 - length 100 mm	48	48-51	100	3.937
ESA3320N110-51	Die set n. 51 - length 110 mm	51	51-57	110	4.331
ESA3320N110-57	Die set n. 57 - length 110 mm	57	57-62	110	4.331
ESA3320N110-62	Die set n. 62 - length 110 mm	62	62-66	110	4.331
ESA3330N125-66	Die set n. 66 - length 110 mm	66	66-70	110	4.331
ESA3320N100-70	Die set n. 70 - length 100 mm	70	70-72	100	3.937
ESA3330NL100D072L2	Die set n. 72 - length 100 mm	72	72-73	100	3.937
ESA3330NL125D073L4	Die set n. 73 - length 125-28 mm, Reinforced pin	73	73-76	125	4.921
ESA3540N125-76	Die set n. 76 - length 125 mm	76	76-86	125	4.921
ESA3540NL150D086L6	Die set n. 86 - length 150 mm	86	86-90	150	5.906
ESA3540N125-90F	Die set n. 90 - length 125 mm	90	90-95	125	4.921
ESA3440NL150D095L6	Die set n. 95 - length 150 mm	95	95-105	150	5.906
ESA3550NL150D105L	Die set n. 105 - length 150 mm	105	105-112	150	5.906
ESA3550NL150D112L	Die set n. 112 - length 150 mm	112	112-122	150	5.906
ESA3440NL130D122L5	Die set n. 122 - length 130 mm REINF PIN	122	122-130	130	5.118
ESA3330N450KT	Kit 13 die set GC 450 (15 to 73)	-	-	-	-
ESA3330N450KTF	Kit 20 die set GC4 50 (15 to 76)	-	-	-	-

CRIMPING MACHINES

MVB 140

MAINTENANCE WORKSHOP

VERTICAL BENCHTOP, CAGE DIES



KEY ADVANTAGES

- Easy use and maintenance
- Easy intuitive adjustment of crimp diameter
- Micrometer set-up with automatic stop
- Retractable pusher for easy insertion of the dies
- 'Plug & play' system (power pack already integrated)
- Wide clearance for tooling installation and fitting positioning
- Easy positioning of the spacer plates

MAIN APPLICATIONS

Dedicated to hydraulic maintenance shops and on-site repairs (construction machines, public works equipment, handling and lifting equipment, agriculture machines, etc.). Designed to crimp small size hoses up to 1 1/4" 4 wire spiral hose (with the exception of double skive type fittings). It can be used for small series productions due to its precise crimp operations and high durability.

TECHNICAL SPECIFICATIONS

Dimensions:	690 x 280 x 550 mm (48 x 19.5 x 38.5")	Motor:	0.8 kW
Net Weight:	86 kg (190 lb)	Noise Level:	<86 dB A
Gross Weight:	110 kg (243 lb)	Crimp Range:	11.5 to 55 mm (0.453 - 2.165")
Voltages:	110 V, 1Ph, 60 Hz	Crimp Force:	140 t
Capacity:	2wb: 1 1/4" max. 4ws: 1 1/4" max.	Standard Dies:	20, 30, 40, 50, 80, S1
		Technical Features:	
		- Spacer plates supplied as standard: size 0 (positive crimping set by dedicated spacers)	
		- Professional approach with set stop and remote control drive allows easy crimping both in the field and in-shop assembling	
		- Possible limitations if used with double-elbow fittings	
		- Not suitable for hoses with double skive fittings (Interlock Plus, Xtralock)	

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit; MF3000 OPK; MF3000 OPF	1 1/4	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF3000 OPK; MF3000 OPF	1 1/4	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex

CRIMPING MACHINES

MVB 140

MAINTENANCE WORKSHOP

VERTICAL BENCHTOP, CAGE DIES

ORDERING INFORMATION

Product Code	Description
EOA3225NMVB140	MVB 140 110V 1PH 60HZ
EOA3225SMVB140	MVB 140 110V 60Hz (STD. DIES INCLUDED)
EOA3225SMVB140S1	MVB 140 110V 60Hz (w 30,40,50,80,S1 DIES)

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3210NSUD-10	DIES SET USA market 10	-	11,5-13,9	45	1.772
ESA3210NSUD-20	DIES SET USA market 20	-	14,0-15,9	45	1.772
ESA3210NSUD-30	DIES SET USA market 30	-	16,0-18,9	45	1.772
ESA3210NSUD-40	DIES SET USA market 40	-	19,0-21,9	45	1.772
ESA3210NSUD-50	DIES SET USA market 50	-	22,0-23,9	45	1.772
ESA3210NSUD-60	DIES SET USA market 60	-	24,0-26,9	57	2.244
ESA3210NSUD-70	DIES SET USA market 70	-	27,0-29,9	57	2.244
ESA3210NSUD-80	DIES SET USA market 80	-	30,0-33,9	57	2.244
ESA3210NSUD-90	DIES SET USA market 90	-	34,0-36,9	57	2.244
ESA3210NSUD-S1	DIES SET USA market S1	-	37,0-40,9	70	2.756
ESA3210NSUD-S2	DIES SET USA market S2	-	41,0-45,9	70	2.756
ESA3210NSUD-S3	DIES SET USA market S3	-	46,0-48,9	70	2.756
ESA3210NSUD-S4	DIES SET USA market S4	-	49,0-55,0	70	2.756
ESA3320NTKIT5JB	DIE SET 5J MVB140	-	-	-	-
ESA3330NTKIT3J	KIT 3 DIE SETS 5/8-3/4 MVB140	-	-	-	-
ESA3330NTKIT5JOPT	KIT 5 DIE SETS OPTION MVB140	-	-	-	-

Notes:

Crimp head weight: 46 kg (101 lb)

Retraction of the cylinder and consequent crimp stroke start position is governed by the remote control crimp switch, to enable quicker crimping and increased productivity

CRIMPING MACHINES



MS 140

**ASSEMBLING FOR MASS PRODUCTION
STAND TYPE CRIMP MACHINE, SCS CONTROL**

KEY ADVANTAGES

- The quickest machine of the MS machine series
- Safe Crimp System (SCS) control
- Large production capacity (small/medium bore)
- Low noise level
- Precise
- Robust
- Easy die set-up with ergonomic gun

MAIN APPLICATIONS

Dedicated to professional assemblers for mass production of small/medium bore hoses, OEM assembly shops and large maintenance activities. Ideal when high production speeds are required.

TECHNICAL SPECIFICATIONS

Dimensions:	890 x 810 x 1390 mm (35 x 32 x 55")	Motor:	5.5 kW
Net Weight:	675 kg (1488 lb)	Noise Level:	<69 dB A
Packaging:	1120 x 1020 x 1770 mm (44 x 40 x 70")	Crimp Range:	4 - 70 mm (0.157 - 2.756")
Voltages:	220/240 V, 3Ph, 50 Hz	Crimp Force:	140 t
	380/415 V, 3Ph, 50 Hz	Opening with Dies:	+45 mm (+1.772")
	208/240 V, 3Ph, 60 Hz	Complete Opening:	125 mm (4.921")
Capacity:	2wb: 1 1/4" max.	Master Die Length:	80 mm (3.150")
	4ws: 1 1/4" max.	Standard Dies:	15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48
		Technical Features:	Options available: Die sets for brake and air-conditioning hoses, marking dies

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit; MF3000 OPK; MF3000 OPF	1 1/4"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF3000 OPK	1 1/4"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
4 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock; MF2000 Spiralfit	1"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex; GoldenBlast



Performances measured on a 400 V, 3Ph, 50 Hz network

CRIMPING MACHINES

MS 140

ASSEMBLING FOR MASS PRODUCTION

STAND TYPE CRIMP MACHINE, SCS CONTROL

ORDERING INFORMATION

Product Code	Description
EOA3434NSC140	MS 140 SCS 380/415V 3PH 50HZ
EOA3437NSC140	MS 140 SCS 220/240V 3PH 50HZ
EOA3439NSC140	MS 140 SCS 208/240V 3PH 60HZ

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3220NL56-10	Die set n. 10 - length 56 mm	10	10-12	56	2.205
ESA3320N140-12	Die set n. 12 - length 70 mm	12	12-15	70	2.756
ESA3320N140-15	Die set n. 15 - length 70 mm	15	15-18	70	2.756
ESA3320N140-18	Die set n. 18 - length 70 mm	18	18-21	70	2.756
ESA3320N140-21	Die set n. 21 - length 70 mm	21	21-24	70	2.756
ESA3320N140-24	Die set n. 24 - length 70 mm	24	24-27	70	2.756
ESA3320N140-27	Die set n. 27 - length 70 mm	27	27-30	70	2.756
ESA3320N140-30	Die set n. 30 - length 70 mm	30	30-33	70	2.756
ESA3220N137-33	Die set n. 33 - length 70 mm	33	33-36	70	2.756
ESA3220N75-36	Die set n. 36 - length 75 mm	36	36-39	75	2.953
ESA3220N137-39	Die set n. 39 - length 70 mm	39	39-42	70	2.756
ESA3320N140-42	Die set n. 42 - length 70 mm	42	42-45	70	2.756
ESA3220N137-45	Die set n. 45 - length 70 mm	45	45-48	70	2.756
ESA3220N137-48	Die set n. 48 - length 70 mm	48	48-51	70	2.756
ESA3220N137-51	Die set n. 51 - length 75 mm	51	51-57	75	2.953
ESA3540N140KT	Kit 10 dies MS140 (n.15 to n.48)				
ESA3540N140KTF	Kit 12 dies MS140 (n.15 to n.48)				

Notes:

Refrigeration hose special dies available upon request

CRIMPING MACHINES

MS 280 L

**ASSEMBLING FOR MASS PRODUCTION
STAND TYPE CRIMP MACHINE, SCS CONTROL**



KEY ADVANTAGES

- Robust structure for tough working environments
- First OEM machine up to 1 1/4"
- Safe Crimp System (SCS) integrated function
- Separate power pack
- Low noise
- Fast and ergonomic
- Low maintenance
- Easy die set-up with ergonomic gun

MAIN APPLICATIONS

Dedicated to professional maintenance shops and small OEM workshops. Versatile crimp machine for the whole hose range up to 2" size 4 wire spiral included. The optimum choice for professional assemblers that require high precision and quality control with SCS (Safe Crimp System) for small/medium OEM activities.

TECHNICAL SPECIFICATIONS

Net Weight:	450 kg (992 lb)	Motor:	5.5 kW
Packaging:	850 x 850 x 1300 mm (34 x 34 x 51")	Noise Level:	<65 dB A
Gross Weight:	500 kg (1102 lb)	Crimp Range:	4 - 130 mm (0.157 - 5.118")
Voltages:	220/240 V, 3Ph, 50 Hz	Crimp Force:	280 t
	380/415 V, 3Ph, 50 Hz	Opening with Dies:	+54 mm (+2.126")
	208/240 V, 3Ph, 60 Hz	Complete Opening:	180 mm (7.087")
	380/415 V, 3Ph, 60 Hz	Master Die Length:	115 mm (4.528")
Capacity:	2wb: 3" max.	Standard Dies:	15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 62, 66, 70, 72
	4ws: 2" max.	Technical Features:	Net weight includes the separate power pack: 180 kg (396 lb); dimensions 1000 x 700 x 870 mm (39 x 27.5 x 34")

Safety Remarks:

Please consider hose-fitting-machine integration when crimping

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit	2"	Tractor; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF2000 Interlock Plus; MF2000 Xtralock; MF2000 Spiralfit	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex; Goldenblast
Industrial Textile Hoses	Various	2"	Spirtex/K; Others



Performances measured on a 400 V, 3Ph, 50 Hz network

CRIMPING MACHINES

MS 280 L

ASSEMBLING FOR MASS PRODUCTION

STAND TYPE CRIMP MACHINE, SCS CONTROL

ORDERING INFORMATION

Product Code	Description
EOA3434NMS280L	MS 280 L 380/415V 3PH 50HZ
EOA3437NMS280L	MS 280 L 220/240V 3PH 50HZ
EOA3439NMS280L	MS 280 L 208/240V 3PH 60HZ
EOA343BNMS280L	MS 280 L 380/415V 3PH 60HZ

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3220NL56-10	Die set n. 10 - length 56 mm	10	10-12	56	2.205
ESA3220NL56-12	Die set n. 12 - length 56 mm	12	12-15	56	2.205
ESA3220NL56-15	Die set n. 15 - length 56 mm	15	15-18	56	2.205
ESA3220NL56-18	Die set n. 18 - length 56 mm	18	18-21	56	2.205
ESA3220NL56-21	Die set n. 21 - length 56 mm	21	21-24	56	2.205
ESA3320N140-24	Die set n. 24 - length 70 mm	24	24-27	70	2.756
ESA3320NL90-27	Die set n. 27 - length 90 mm	27	27-30	90	3.543
ESA3320NL90-30	Die set n. 30 - length 90 mm	30	30-33	90	3.543
ESA3320NL90-33	Die set n. 33 - length 90 mm	33	33-36	90	3.543
ESA3320NL90-36	Die set n. 36 - length 90 mm	36	36-39	90	3.543
ESA3320NL90-39	Die set n. 39 - length 90 mm	39	39-42	90	3.543
ESA3320NL90-42	Die set n. 42 - length 90 mm	42	42-45	90	3.543
ESA3320N100-45	Die set n. 45 - length 100 mm	45	45-48	100	3.937
ESA3320NL100-48	Die set n. 48 - length 100 mm	48	48-51	100	3.937
ESA3320N100-51	Die set n. 51 - length 100 mm	51	51-57	100	3.937
ESA3320N100-57	Die set n. 57 - length 100 mm	57	57-62	110	3.937
ESA3320N110-62	Die set n. 62 - length 110 mm	62	62-66	110	4.331
ESA3330N100-66	Die set n. 66 - length 100 mm	66	66-70	100	3.937
ESA3320N100-70	Die set n. 70 - length 100 mm	70	70-72	100	3.937
ESA3330NL100D072L2	Die set n. 72 - length 100 mm	72	72-73	100	3.937
ESA3320N240KTF	Kit 18 dies MB240/MV240 (n.15 to n.72)	-	-	-	-

CRIMPING MACHINES

MS 320

**ASSEMBLING FOR MASS PRODUCTION
STAND TYPE CRIMP MACHINE, SCS CONTROL**



KEY ADVANTAGES

- High crimp force
- Large opening
- Safe Crimp System (SCS) control
- Wide family of dies for industrial hoses
- Robust structure
- Fast and ergonomic
- Low noise level
- Easy die-set up with ergonomic gun

MAIN APPLICATIONS

Dedicated to professional assemblers for mass production, OEM assembly shops and large maintenance activities.

TECHNICAL SPECIFICATIONS

Dimensions:	1240 x 995 x 1615 mm (49 x 39 x 64")	Motor:	5.5 kW
Net Weight:	1900 kg (4189 lb)	Noise Level:	<65 dB A
Packaging:	1400 x 1100 x 1960 mm (55 x 43 x 77")	Crimp Range:	4 - 130 mm (0.157 - 5.118")
Gross Weight:	2230 kg (4916 lb)	Crimp Force:	320 t
Voltages:	220/240 V, 3Ph, 50 Hz	Opening with Dies:	+80 mm (+3.149")
	380/415 V, 3Ph, 50 Hz	Complete Opening:	207 mm (8.149")
	208/240 V, 3Ph, 60 Hz	Master Die Length:	100 mm (3.937")
	380/415 V, 3Ph, 60 Hz	Standard Dies:	15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 62, 66, 70, 72, 73, 76
Capacity:	2wb: 3" max.	Technical Features:	Options available: Die sets for brake and air-conditioning hoses, marking dies
	4ws: 2" max.	Safety Features:	Please consider hose-fitting-machine integration when crimping
	6ws: 2" max.		
	Textile & Suction Hose: 4" max.		

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit	3" with extra dies	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF2000 Interlock Plus; MF2000 Xtralock	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex; Goldenblast/six
6 Wire Spirals	MF2000 Interlock Plus	2"	Rockmaster/13
6 Wire Spirals	MF2000 Spiralfit; MF2000 Xtralock	2"	Shieldmaster/6000; Diamondspir; Goldenblast/six; GoldenISO Xtraflex



Performances measured on a 400 V, 3Ph, 50 Hz network

CRIMPING MACHINES

MS 320

ASSEMBLING FOR MASS PRODUCTION

STAND TYPE CRIMP MACHINE, SCS CONTROL

ORDERING INFORMATION

Product Code	Description
EOA3434NSC320	MS 320 SCS 380/415V 3PH 50HZ
EOA3437NSC320	MS 320 SCS 220/240V 3PH 50HZ
EOA3439NSC320	MS 320 SCS 208/240V 3PH 60HZ
EOA343BNSC320	MS 320 SCS 380/415V 3PH 60HZ

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3430NL90-10	Die set n. 10 - length 90 mm	10	10-12	90	3.543
ESA3430NL90-12	Die set n. 12 - length 90 mm	12	12-15	90	3.543
ESA3430NL90-15	Die set n. 15 - length 90 mm	15	15-18	90	3.543
ESA3430NL90-18	Die set n. 18 - length 90 mm	18	18-21	90	3.543
ESA3430NL90-21	Die set n. 21 - length 90 mm	21	21-24	90	3.543
ESA3320NL90-24	Die set n. 24 - length 90 mm	24	24-27	90	3.543
ESA3320NL90-27	Die set n. 27 - length 90 mm	27	27-30	90	3.543
ESA3320NL90-30	Die set n. 30 - length 90 mm	30	30-33	90	3.543
ESA3320NL90-33	Die set n. 33 - length 90 mm	33	33-36	90	3.543
ESA3320NL90-36	Die set n. 36 - length 90 mm	36	36-39	90	3.543
ESA3320NL90-39	Die set n. 39 - length 90 mm	39	39-42	90	3.543
ESA3320NL90-42	Die set n. 42 - length 90 mm	42	42-45	90	3.543
ESA3430N100-45	Die set n. 45 - length 95 mm	45	45-48	95	3.740
ESA3320NL100-48	Die set n. 48 - length 100 mm	48	48-51	100	3.937
ESA3430N110-51	Die set n. 51 - length 110 mm	51	51-57	110	4.331
ESA3430N110-57	Die set n. 57 - length 110 mm	57	57-62	110	4.331
ESA3320N110-62	Die set n. 62 - length 110 mm	62	62-66	110	4.331
ESA3430N110-66	Die set n. 66 - length 110 mm	66	66-70	110	4.331
ESA3320N100-70	Die set n. 70 - length 100 mm	70	70-72	100	3.937
ESA3330NL100D072L2	Die set n. 72 - length 100 mm	72	72-73	100	3.937
ESA3340NL120D073L8	Die set n. 73 - length 120 mm	73	73-76	120	4.724
ESA3340NL120D076L8	Die set n. 76 - length 120 mm	76	76-86	120	4.724
ESA3340NL100D086L6	Die set n. 86 - length 100-65 mm	86	86-90	100	3.937
ESA3430NL100D090L6	Die set n. 90 - length 100 mm, Reinforced Pin	90	90-95	100	3.937
ESA3430NL100D095L6	Die set n. 95 - length 100 mm, Reinforced Pin	95	95-105	100	3.937
ESA3540N320KT	Kit 13 dies MS320 (n.15 to n.73)				
ESA3540N320KTF	Kit 20 dies MS320 (n.15 to n.76)				

CRIMPING MACHINES

MS 480

ASSEMBLING FOR MASS PRODUCTION
STAND TYPE CRIMP MACHINE, SCS CONTROL



KEY ADVANTAGES

- High crimp force
- Large opening
- Safe Crimp System (SCS) control
- Wide family of dies for industrial hoses
- Long master dies
- Robust
- Low noise level
- Easy die set-up with ergonomic gun

MAIN APPLICATIONS

Dedicated to professional assemblers, large OEM suppliers and special applications. This machine is particularly suited to medium and large bore hose assembly operations.

TECHNICAL SPECIFICATIONS

Dimensions:	1300 x 900 x 1700 mm (51 x 35 x 67")	Motor:	5.5 kW
Net Weight:	2200 kg (4850 lb)	Noise Level:	<65 dB A
Packaging:	1400 x 1100 x 1960 mm (55 x 43 x 77")	Crimp Range:	4 - 160 mm (0.157 - 6.299")
Gross Weight:	2230 kg (4916 lb)	Crimp Force:	480 t
Voltages:	220/240 V, 3Ph, 50 Hz	Opening with Dies:	+85 mm (+3.346")
	380/415 V, 3Ph, 50 Hz	Complete Opening:	212 mm (8.346")
	208/240 V, 3Ph, 60 Hz	Master Die Length:	125 mm (4.921")
	380/415 V, 3Ph, 60 Hz	Standard Dies:	15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 62, 66, 70, 72, 73, 76
Capacity:	6ws: 3" max.	Technical Features:	Options available: Die sets for brake and air-conditioning hoses, marking dies
	8ws: 3" max.	Safety Remarks:	Please consider hose-fitting-machine integration when crimping
	Industrial Textile Hoses: 4" max.		

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit	3½"	Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	MF2000 Multifit; MF2000 Interlock Plus; MF2000 Xtralock; MF2000 Spiralfit	4"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex; Xtraflow/4WS; Goldenblast
6 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock; MF2000 Spiralfit	3"	Diamondspir/21; Rockmaster/13; Rockmaster/15; Goldenblast/six
Industrial Textile Hoses		4"	Spirtex/K; Others



Performances measured on a 400 V, 3Ph, 50 Hz network

CRIMPING MACHINES

MS 480

ASSEMBLING FOR MASS PRODUCTION

STAND TYPE CRIMP MACHINE, SCS CONTROL

ORDERING INFORMATION

Product Code	Description
EOA3544NSC480	MS 480 SCS 380/415V 3Ph 50 Hz
EOA3547NSC480	MS 480 SCS 220/240V 3Ph 50 Hz
EOA3549NSC480	MS 480 SCS 208/240V 3Ph 60 Hz
EOA354BNSC480	MS 480 SCS 380/415V 3Ph 60 Hz

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3430NL90-10	Die set n. 10 - length 90 mm	10	10-12	90	3.543
ESA3430NL90-12	Die set n. 12 - length 90 mm	12	12-15	90	3.543
ESA3430NL90-15	Die set n. 15 - length 90 mm	15	15-18	90	3.543
ESA3430NL90-18	Die set n. 18 - length 90 mm	18	18-21	90	3.543
ESA3430NL90-21	Die set n. 21 - length 90 mm	21	21-24	90	3.543
ESA3320NL90-24	Die set n. 24 - length 90 mm	24	24-27	90	3.543
ESA3320NL90-27	Die set n. 27 - length 90 mm	27	27-30	90	3.543
ESA3430NL100D30L2	Die set n. 30 - length 100 mm	30	30-33	100	3.937
ESA3320NL90-33	Die set n. 33 - length 90 mm	33	33-36	90	3.543
ESA3320NL90-36	Die set n. 36 - length 90 mm	36	36-39	90	3.543
ESA3320NL90-39	Die set n. 39 - length 90 mm	39	39-42	90	3.543
ESA3320NL90-42	Die set n. 42 - length 90 mm	42	42-45	90	3.543
ESA3320N100-45	Die set n. 45 - length 100 mm	45	45-48	100	3.937
ESA3320NL100-48	Die set n. 48 - length 100 mm	48	48-51	100	3.937
ESA3320N110-51	Die set n. 51 - length 110 mm	51	51-57	110	4.331
ESA3320N110-57	Die set n. 57 - length 110 mm	57	57-62	110	4.331
ESA3320N110-62	Die set n. 62 - length 110 mm	62	62-66	110	4.331
ESA3320N125-66	Die set n. 66 - length 110 mm	66	66-70	110	4.331
ESA3320N100-70	Die set n. 70 - length 100 mm	70	70-72	100	3.937
ESA3330NL100D072L2	Die set n. 72 - length 100 mm	72	72-73	100	3.937
ESA3330NL236D073L4	Die set n. 73 - length 125-28 mm, Reinforced Pin	73	73-76	125	4.921
ESA3540N125-76	Die set n. 76 - length 125 mm	76	76-86	125	4.921
ESA3440NL150D086L6	Die set n. 86 - length 150 mm	86	86-90	150	5.906
ESA3540N125-90F	Die set n. 90 - length 125 mm	90	90-95	125	4.921
ESA3440NL150D095L6	Die set n. 95 - length 150 mm	95	95-105	150	5.906
ESA3550NL150D105L	Die set n. 105 - length 150 mm	105	105-112	150	5.906
ESA3550NL150D112L	Die set n. 112 - length 150 mm	112	112-122	150	5.906
ESA3440NL130D122L5	Die set n. 122 - length 130 mm, Reinforced Pin	122	122 -130	130	5.118
ESA3550NL150D130L1	Die set n. 130 - length 145 mm	130	130-140	145	5.709
ESA3540N480KT	Kit 13 dies MS480 (n.15 to n.73)				
ESA3540N400KTF	Kit 20 dies MS480 (n.15 to n.76)				

CRIMPING MACHINES



MS 800

ASSEMBLING FOR LARGE BORE HOSES STAND TYPE CRIMP MACHINE, SCS CONTROL

KEY ADVANTAGES

- Designed for heavy duty large bore hydraulic hoses
- High power and speed
- Ergonomically designed for large bore hoses
- Safe Crimp System (SCS) for maximum reliability during the crimping process
- Large opening up to 8"
- Long master dies
- Very high crimping force

MAIN APPLICATIONS

Dedicated to professional assemblers operating in off-shore, mining and giant hydraulics. This machine is designed for large bore, robust hoses - not advised for small bore hoses (DN 12 and smaller).

TECHNICAL SPECIFICATIONS

Dimensions:	1400 x 1400 x 2060 mm (55 x 55 x 81")	Motor:	7.5 kW
Net Weight:	4300 kg (9480 lb)	Noise Level:	< 70 dB A
Packaging:	Not available	Crimp Range:	4 - 230 mm (0.157 - 9.055")
Gross Weight:	5000 kg (11023 lb)	Crimp Force:	800 t
Voltages:	380/415 V, 3Ph, 50 Hz	Opening with Dies:	+100 mm (+3.937")
Capacity:	4ws: 4" max. 6ws: 3" max. 8ws: 3" max. Industrial: 8"	Complete Opening:	350 mm (13.779")
		Master Die Length:	180 mm (7.087")
		Technical Features:	- Machine platform equipped with rollers to support the hose at working height (1100 mm) in order to handle large bore hoses more easily - Supplied as standard: Intermediate dies 250/130 - Options available: Die storage panel, die size upon request

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
4 Wire Spirals	MF2000 Multifit; MF2000 Interlock Plus; MF2000 Xtralock; MF2000 Spiralfit	4" with extra dies	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex; Xtraflow/4WS; Goldenblast
6/8 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock; MF2000 Interlock Super	>3" with extra dies	Diamondspir up to 3"; Rockmaster/13; Rockmaster/15
Industrial Textile Hoses	Various	8"	Spirtex/K; Others



Performances measured on a 400 V, 3Ph, 50 Hz network

CRIMPING MACHINES

MS 800

ASSEMBLING FOR LARGE BORE HOSES

STAND TYPE CRIMP MACHINE, SCS CONTROL

ORDERING INFORMATION

Product Code	Description
EOA3434NMMS800	MS 800 SCS 380/415V 3PH 50HZ

AVAILABLE DIE SETS

Product Code	Description	N°	Crimp Range	Die Length (mm)	Die Length (inch)
ESA3320NL90-39	Die set n. 39 - length 90 mm	39	39-42	90	3.543
ESA3320NL90-42	Die set n. 42 - length 90 mm	42	42-45	90	3.543
ESA3320N100-45	Die set n. 45 - length 100 mm	45	45-48	100	3.937
ESA3320NL100-48	Die set n. 48 - length 100 mm	48	48-51	100	3.937
ESA3430N110-51	Die set n. 51 - length 110 mm	51	51-57	110	4.331
ESA3430N110-57	Die set n. 57 - length 110 mm	57	57-62	110	4.331
ESA3320N110-62	Die set n. 62 - length 110 mm	62	62-66	110	4.331
ESA3330N125-66	Die set n. 66 - length 110 mm	66	66-70	110	4.331
ESA3320N100-70	Die set n. 70 - length 100 mm	70	70-72	100	3.937
ESA3330NL100D072L2	Die set n. 72 - length 100 mm	72	72-73	100	3.937
ESA3330NL125D073L4	Die set n. 73 - length 125-28 mm, Reinforced Pin	73	73-76	125	4.921
ESA3540N125-76	Die set n. 76 - length 125 mm	76	76-86	125	4.921
ESA3440NL150D086L6	Die set n. 86 - length 150 mm	86	86-90	150	5.906
ESA3540N125-90F	Die set n. 90 - length 125 mm	90	90-95	125	4.921
ESA3440NL150D095L6	Die set n. 95 - length 150 mm	95	95-105	150	5.906
ESA3530NL180D105L5	Die set n. 105 - length 180 mm	105	105-112	180	7.087
ESA3550NL150D112L	Die set n. 112 - length 150 mm	112	112-122	150	5.906
ESA3530NL180D130L5	Die set n. 130 - length 180 mm	130	130-140	180	7.087
ESA3540N800KTF	Kit 18 dies MS800 (n.39 to n.130)				

CUTTING MACHINES

M22 CUT STARTER WORKSHOP BENCHTOP



KEY ADVANTAGES

- Smooth bending system
- 90° cut
- Clean cut
- Scalloped blade
- Dust collector included
- Multiple voltage options

MAIN APPLICATIONS

Dedicated to repair shops or maintenance departments making low volumes of small and medium sized hose assemblies.

TECHNICAL SPECIFICATIONS

Dimensions:	630 x 485 x 650 mm (25 x 19 x 26")	Motor:	2.2 kW
Net Weight:	42 kg (93 lb)	Rotation Speed:	3000 rpm
Packaging:	800 x 600 x 830 mm (31 x 24 x 33")	Scalloped Blade Diameter:	254 mm (10") included
Gross Weight:	55 kg (121 lb)	Max. Hose OD:	50 mm (1.969")
Voltages:	220/240 V, 3Ph, 50 Hz 380/415 V, 3Ph, 50 Hz 208/240 V, 3Ph, 60 Hz 380/415 V, 3Ph, 60 Hz	Technical Features:	- Dust collector included as standard - Dimensions van type machine: 488 x 630 x 650 mm (19.2 x 24.8 x 25.6"); 38 kg (84 lb)
Capacity:	2wb: 1 1/4" max. 4ws: 1 1/4" max.		

HOSE AND FITTING SELECTION

Hose Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	1 1/4"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast;
4 Wire Spirals	1 1/4"	Rockmaster (spiral); GoldenISO Xtraflex



Performances measured on a 400 V, 3Ph, 50 Hz network

CUTTING MACHINES

M22 CUT

STARTER WORKSHOP

BENCHTOP

ORDERING INFORMATION

Product Code	Description
EOC3114NCUT22P	M 22 CUT 380/415V 3PH 50HZ
EOC3117NCUT22P	M 22 CUT 220/240V 3PH 50HZ
EOC3119NCUT22P	M 22 CUT 208/240V 3PH 60HZ
EOC311BNCUT22P	M 22 CUT 380/415V 3PH 60HZ

AVAILABLE ACCESSORIES

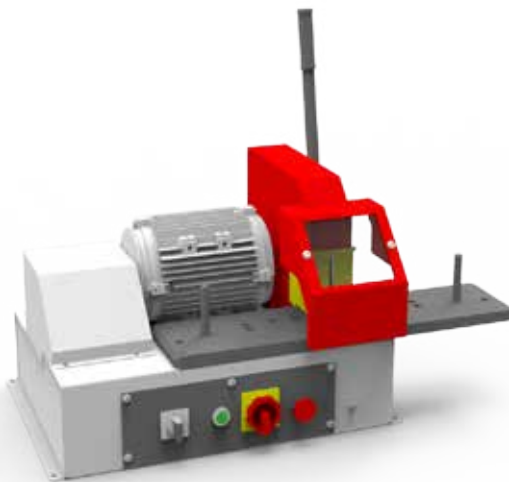
Product Code	Description
3012309	Cutting Disc Scalloped Style 250 mm

CUTTING MACHINES

M30 CUT E

STARTER & PROFESSIONAL WORKSHOP

BENCHTOP CUTTING MACHINE, OPTIONAL SKIVING



KEY ADVANTAGES

- Compact design
- Easy and safe to use
- Versatile, scalloped blade for high performance and efficient cutting with minimal smoke
- Electronic brake
- Skiving module can be ordered as optional and integrated on this machine

MAIN APPLICATIONS

Benchtop machine for after-market service, container workshop or mobile van service and field repair. Also workshops for intermittent service.

TECHNICAL SPECIFICATIONS

Dimensions:	835 x 545 x 640 mm (33 x 21 x 25")	Motor:	3.0 kW
Net Weight:	75 kg (165 lb)	Rotation Speed:	3000 rpm
Packaging:	1170 x 770 x 1100 mm (46 x 30 x 43")	Scalloped Blade Diameter:	300 mm (11.8")
Gross Weight:	90 kg (198 lb)	Max. Hose OD:	85 mm (3.346")
Voltages:	220/240 V, 3Ph, 50 Hz 380/415 V, 3Ph, 50 Hz 208/240 V, 3Ph, 60 Hz 380/415 V, 3Ph, 60 Hz		
Capacity:	2wb: 2" max. 4ws: 2" max. 6ws: 1 1/4" max. Industrial: 2" max.		

HOSE AND FITTING SELECTION

Hose Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	2"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex; Goldenblast
6 Wire Spirals	1 1/4"	Rockmaster/13; Rockmaster/15; Diamondspir



Performances measured on a 400 V, 3Ph, 50 Hz network

CUTTING MACHINES

M30 CUT E

STARTER & PROFESSIONAL WORKSHOP

BENCHTOP CUTTING MACHINE, OPTIONAL SKIVING

ORDERING INFORMATION

Product Code	Description
EOC3324NM30CUTE	M30 CUT E 380/415V 3PH 50HZ ECO
EOC3327NM30CUTE	M30 CUT E 220/240V 3PH 50HZ ECO
EOC3329NM30CUTE	M30 CUT E 208/240V 3PH 60HZ ECO
EOC332BNM30CUTE	M30 CUT E 380/415V 3PH 60HZ ECO

AVAILABLE ACCESSORIES

Product Code	Description
3015126	Cutting Disc Scalloped Style 300 mm

CUTTING MACHINES

M30 CUT L

**STARTER AND PROFESSIONAL WORKSHOP
STAND TYPE CUTTING MACHINE**



KEY ADVANTAGES

- Compact design
- Easy and safe to use
- Versatile, scalloped blade for high performance and efficient cutting with minimal smoke
- Ergonomic, easy to clean
- Integrated dust collector

MAIN APPLICATIONS

Benchtop machine for after-market service, container workshop or mobile van service, field repair and intermittent service workshops.

TECHNICAL SPECIFICATIONS

Dimensions:	765 x 500 x 1150 mm (30 x 20 x 45")	Motor:	3.0 kW
Net Weight:	92 kg (203 lb)	Rotation Speed:	3000 rpm
Packaging:	800 x 600 x 1200 mm (32 x 24 x 47")	Scalloped Blade Diameter:	254 mm (10")
Gross Weight:	120 kg (265 lb)	Max. Hose OD:	85 mm (3.34")
Voltages:	220/240 V, 3Ph, 50 Hz 380/415 V, 3Ph, 50 Hz 208/240 V, 3Ph, 60 Hz 380/415 V, 3Ph, 60 Hz		
Capacity:	2wb: 2" max. 4ws: 2" max. 6ws: 1 1/4" max. Industrial: 2"		

HOSE AND FITTING SELECTION

Hose Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	2"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex; Goldenblast
6 Wire Spirals	1 1/4"	Rockmaster/13; Rockmaster/15; Diamondspir



Performances measured on a 400 V, 3Ph, 50 Hz network

CUTTING MACHINES

M30 CUT L

STARTER AND PROFESSIONAL WORKSHOP

STAND TYPE CUTTING MACHINE

ORDERING INFORMATION

Product Code	Description
EOC3424NM30CUTL	M30 CUT L 380/415V 3PH 50HZ
EOC3427NM30CUTL	M30 CUT L 220/240V 3PH 50HZ

AVAILABLE ACCESSORIES

Product Code	Description
3015309	Cutting Disc Scalloped Style 250 mm
ESC3440NCRL2M	Cutting Rail Length 2 M
ESC3440NCRL3M	Cutting Rail Length 3 M
ESC3440NJUCUR	Junction for Cutting Rail

CUTTING MACHINES

M30 CUT & SKIVE

STARTER & PROFESSIONAL WORKSHOP

BENCHTOP, INTEGRATED CUTTING & SKIVING



KEY ADVANTAGES

- Compact design
- Two operations in one machine
- Easy and safe to use
- Versatile, scalloped blade for high performance and efficient cutting with minimal smoke
- Dust free skive operation (drawers for dust collection)
- Electronic brake

MAIN APPLICATIONS

Benchtop machine for after-market service, container workshops or mobile van service. Also suitable for field repair and intermittent service workshops.

TECHNICAL SPECIFICATIONS

Dimensions:	835 x 545 x 640 mm (33 x 21 x 25")	Motor:	3.0 kW
Net Weight:	85 kg (187 lb)	Rotation Speed (Cut):	3000 rpm
Packaging:	1170 x 770 x 1100 mm (46 x 30 x 43")	Rotation Speed (Skive):	200 rpm
Gross Weight:	100 kg (220 lb)	Scalloped Blade Diameter:	300 mm (11.8")
Voltages:	220/240 V, 3Ph, 50 Hz 380/415 V, 3Ph, 50 Hz 208/240 V, 3Ph, 60 Hz 380/415 V, 3Ph, 60 Hz	Max. Hose OD:	85 mm (3.34")
Capacity:	2wb: 2" max. 4ws: 2" max. 6ws: 1 1/4" max. Industrial: 2" max.	Technical Features:	Skiving tools: for External Skiving (ESE) and for Internal Skiving (IS) to be ordered separately

HOSE AND FITTING SELECTION

Hose Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	2"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex; Goldenblast
6 Wire Spirals	1 1/4"	Rockmaster/13; Rockmaster/15; Diamondspir



Performances measured on a 400 V, 3Ph, 50 Hz network

CUTTING MACHINES

M30 CUT & SKIVE

STARTER & PROFESSIONAL WORKSHOP

BENCHTOP, INTEGRATED CUTTING & SKIVING

ORDERING INFORMATION

Product Code	Description
EOC3224NM30CUTSKY	M30 CUT/SKIVE 380/415V 3PH 50HZ
EOC3227NM30CUTSKY	M30 CUT/SKIVE 220/240V 3PH 50HZ
EOC3229NM30CUTSKY	M30 CUT/SKIVE 208/240V 3PH 60HZ
EOC322BNM30CUTSKY	M30 CUT/SKIVE 380/415V 3PH 60HZ

AVAILABLE ACCESSORIES

Product Code	Description
ESS3430NKTESE	KIT ESE 6 TO 50 10 MANDRELS 1/4" TO 2"
ESS3430NKTIS	KIT IS 12/51 7 MANDRELS 1/2" TO 2"
ESS3430NIS10	IS 10 (3/8")
ESS3430NIS13	IS 13 (1/2")
ESS3430NIS16	IS 16 (5/8")
ESS3430NIS19	IS 19 (3/4")
ESS3430NIS25	IS 25 (1")
ESS3430NIS32	IS 32 (1"1/4)
ESS3430NIS38	IS 38 (1"1/2)
ESS3430NIS50	IS 50 (2")
3001795	Spare knife for ESE Ext Skiving 6/50 mm
3011245	Spare knife for internal tool diameter 13 & 16 mm
3011246	Spare knife for internal tool diameter 19 & 25 mm
3011247	Spare knife for internal tool diameter 32 & 38 mm
3011248	Spare knife for internal tool diameter 50 mm
3015126	Cutting Disc Scalloped Style 300 mm

CUTTING MACHINES



M55 CUT

FULL SERVICE WORKSHOP, STARTER PRODUCTION UNITS
STAND TYPE CUTTING MACHINE

KEY ADVANTAGES

- Versatile, scalloped blade for high performance smoke free cutting
- Ergonomic and functional design
- Double foot pedal system
- Safety cover and feeding guides for hose (easy and fast cutting operation)
- Digital counter for maintenance assistance

MAIN APPLICATIONS

Stand type hose cutting machine for professional service workshops and after-market service. With pneumatic bending option it is suitable for small/medium OEM productions. This is a versatile machine, suitable for hoses up to 2" (intermittent service).

TECHNICAL SPECIFICATIONS

Dimensions:	1140 x 1000 x 1280 mm (45 x 39 x 50")	Motor:	7.5 kW
Net Weight:	240 kg (529 lb)	Rotation Speed:	3000 rpm
Packaging:	1600 x 1200 x 1600 mm (63 x 47 x 63")	Scalloped Blade Diameter:	400 mm (15.7")
Gross Weight:	280 kg (617 lb)	Max. Hose OD:	80 mm (3.15")
Voltages:	220/240 V, 3Ph, 50 Hz 380/415 V, 3Ph, 50 Hz 208/240 V, 3Ph, 60 Hz 380/415 V, 3Ph, 60 Hz	Technical Features:	- Diameter of the suction connection: 150 mm (6") - Options: Pneumatic bending system, OEM slotted blade
Capacity:	2wb: 2" max. 4ws: 2" max. 6ws: 2" max. Industrial: 2"		

HOSE AND FITTING SELECTION

Hose Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	2"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Spirtex/K
4 Wire Spirals	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex; Goldenblast
6 Wire Spirals	2"	Rockmaster/13; Rockmaster/15; Diamondspir



Performances measured on a 400 V, 3Ph, 50 Hz network

CUTTING MACHINES

M55 CUT

FULL SERVICE WORKSHOP, STARTER PRODUCTION UNITS

STAND TYPE CUTTING MACHINE

ORDERING INFORMATION

Product Code	Description
EOC3434NCUT55	M55 CUT 380/415V 3PH+N 50HZ
EOC3434NCUT55SK	M55 CUT 380/415V 3PH+N 50HZ SUCTION
EOC3437NMCUT55	M55 CUT 220/240V 3PH 50HZ
EOC3437NMCUT55SK	M55 CUT 220/240V 3PH 50HZ SUCTION
EOC3339NMCUT55	M55 CUT 208/240V 3PH 60HZ
EOC3339NMCUT55SK	M55 CUT 208/240V 3PH 60Hz SUCTION
EOC343BNMCUT55	M55 CUT 380/415V 3PH+N 60HZ
EOC343BNMCUT55SK	M55 CUT 380/415V 3PH+N 60HZ SUCTION

AVAILABLE ACCESSORIES

Product Code	Description
3016443	Cutting Disc Scalloped Style 400 mm
3021317	OEM Cutting Disc Slotted Style 400 mm
ESC3440NCRL2M	Cutting Rail Length 2 M
ESC3440NCRL3M	Cutting Rail Length 3 M
ESC3440NJUCUR	Junction for Cutting Rail

CUTTING MACHINES



M75 CUT

EXPERT SERVICE LINE

STAND TYPE CUTTING MACHINE

KEY ADVANTAGES

- Powerful
- Safety cover
- High visibility
- Suitable for cutting large bore hoses

MAIN APPLICATIONS

Dedicated to hydraulic maintenance specialists working on medium and large size machines and equipment. Also suitable for small OEM suppliers.

TECHNICAL SPECIFICATIONS

Dimensions:	910 x 820 x 1280 mm (36 x 32 x 50")	Motor:	7.5 kW
Net Weight:	215 kg (474 lb)	Rotation Speed:	3000 rpm
Voltages:	220/240 V, 3Ph, 50 Hz	Scalloped Blade Diameter:	520 mm (20.5") included
	380/415 V, 3Ph, 50 Hz	Max. Hose OD:	125 mm (5")
	208/240 V, 3Ph, 60 Hz	Technical Features:	
	380/415 V, 3Ph, 60 Hz	- Diameter of suction connection:	110 mm (4.33 ")
Capacity:	2wb: 3" max.	- Optional tool: Brake motor, serrated disc, OEM slotted disc	
	4ws: 2" max.		
	6ws: 2" max.		

HOSE AND FITTING SELECTION

Hose Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	3"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast
4 Wire Spirals	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
6 Wire Spirals	2"	Diamondspir up to 2"; Rockmaster/13; Rockmaster/15



Performances measured on a 400 V, 3Ph, 50 Hz network

CUTTING MACHINES

M75 CUT

EXPERT SERVICE LINE

STAND TYPE CUTTING MACHINE

ORDERING INFORMATION

Product Code	Description
EOC3334NCUT75	M75 CUT 380/415V 3PH 50HZ
EOC3334NM75BM	M75 CUT 380/415V 3PH 50HZ Brake motor
EOC3337NCUT75	M75 CUT 220/240V 3PH 50HZ
EOC3339NCUT75	M75 CUT 208/240V 3PH 60HZ
EOC3339NCUT75F	M75 CUT 208/240V 3PH 60HZ BRAKE

AVAILABLE ACCESSORIES

Product Code	Description
3016797	Cutting Disc Scalloped Style 520 mm
3021075	OEM Cutting Disc Slotted Style 520 mm
ESC3440NCRL2M	Cutting Rail Length 2 M
ESC3440NCRL3M	Cutting Rail Length 3 M
ESC3440NJUCUR	Junction for Cutting Rail

CUTTING MACHINES



M90 CUT

EXPERT SERVICE LINE

STAND TYPE CUTTING MACHINE

KEY ADVANTAGES

- Very powerful
- Heavy duty for difficult cuts
- Hydraulic bending
- Brake motor
- Electronic soft start

MAIN APPLICATIONS

Dedicated to professional assemblers, large OEM suppliers and special applications.

TECHNICAL SPECIFICATIONS

Dimensions: 1000 x 1060 x 1350 mm (39 x 42 x 53")

Net Weight: 260 kg (573 lb)

Voltages: 220/240 V, 3Ph, 50 Hz

380/415 V, 3Ph, 50 Hz

208/240 V, 3Ph, 60 Hz

380/415 V, 3Ph, 60 Hz

Capacity: 2wb: 3½" max.

4ws: 3½" max.

6ws: 3" max.

Motor: 9.0 kW

Rotation Speed: 3000 rpm

Scalloped Blade Diameter: 520 mm (20.5") included

Max. Hose OD: 125 mm (5")

Technical Features:

- Diameter of suction connection: 110 mm (4.33")

- Standard tool: Hydraulic bending, brake motor

- Optional tool: Serrated disc, OEM slotted disc

HOSE AND FITTING SELECTION

Hose Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	3½"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast; Xtraflow
4 Wire Spirals	3½"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex; Xtraflow/4WS
6 Wire Spirals	3" (21 MPa type)	Diamondspir (up to 3")



Performances measured on a 400 V, 3Ph, 50 Hz network

CUTTING MACHINES

M90 CUT

EXPERT SERVICE LINE

STAND TYPE CUTTING MACHINE

ORDERING INFORMATION

Product Code	Description
EOC3444NCUT90	M90 CUT 380/415V 3PH 50HZ
EOC3444NCUT90HP	M90 CUT 380/415V 3PH 50HZ HIGH PROD
EOC3447NCUT90	M90 CUT 220/240V 3PH 50HZ
EOC3449NCUT90	M90 CUT 208/240V 3PH 60HZ
EOC344BNCUT90	M90 CUT 380/415V 3PH 60HZ

AVAILABLE ACCESSORIES

Product Code	Description
3016797	Cutting Disc Scalloped Style 520 mm
3021075	OEM Cutting Disc Slotted Style 520 mm
3002792	Cutting Disc Serrated Style
ESC3440NCRL2M	Cutting Rail Length 2 M
ESC3440NCRL3M	Cutting Rail Length 3 M
ESC3440NJUCUR	Junction for Cutting Rail

SKIVING MACHINES

MH SKY

FIELD SERVICE & MOBILE WORKSHOP

MANUAL, PORTABLE SKIVING TOOL



KEY ADVANTAGES

- Portable, lightweight
- Economic
- Simple
- Compact
- Robust
- Plug'n skive system

MAIN APPLICATIONS

Dedicated to small repair shops and maintenance departments making low volumes of hose assemblies a day. Also ideal for carrying out on-site repairs or for placement in a service van.

TECHNICAL SPECIFICATIONS

Dimensions: 413 x 52 x 224 mm (16 x 2 x 9")

Net Weight: 3 kg (7 lb)

Capacity: 2wb: 2" max.

4ws: 2" max.

Technical Features:

- Tool selection:

External Skiving Kit (ESE) including 10 mandrels (6-8-10-13-16-19-25-32-38-50)

Internal Skiving Kit (IS) including 7 mandrels (13-16-19-25-32-38-50)

Internal skiving tools can also be ordered per diameter

HOSE AND FITTING SELECTION

Hose Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	2"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast
4 Wire Spirals	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex

SKIVING MACHINES

MH SKY

FIELD SERVICE & MOBILE WORKSHOP

MANUAL, PORTABLE SKIVING TOOL

ORDERING INFORMATION

Product Code	Description
EOS3410NHSK	MH SKY HAND SKIVING TOOL

AVAILABLE ACCESSORIES

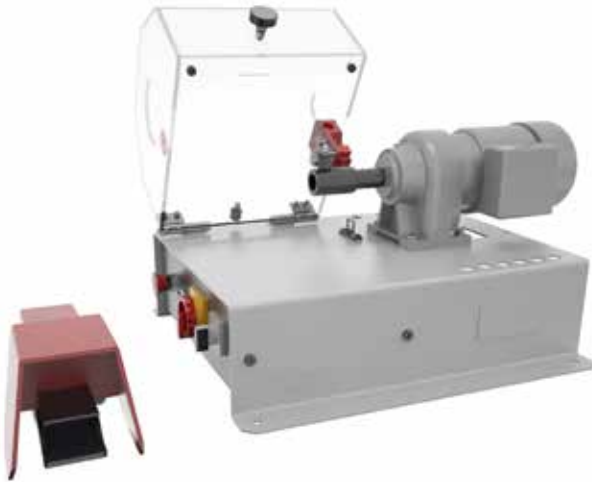
Product Code	Description
ESS3430NKTESE	KIT ESE 6 TO 50 10 MANDRELS 1/4" TO 2"
ESS3430NKTIS	KIT IS 12/51 7 MANDRELS 1/2" TO 2"
ESS3430NIS10	IS 10 (3/8")
ESS3430NIS13	IS 13 (1/2")
ESS3430NIS16	IS 16 (5/8")
ESS3430NIS19	IS 19 (3/4")
ESS3430NIS25	IS 25 (1")
ESS3430NIS32	IS 32 (1"1/4)
ESS3430NIS38	IS 38 (1"1/2)
ESS3430NIS50	IS 50 (2")
3001795	Spare knife for ESE Ext Skiving 6/50 mm
3011245	Spare knife for internal tool diameter 13 & 16 mm
3011246	Spare knife for internal tool diameter 19 & 25 mm
3011247	Spare knife for internal tool diameter 32 & 38 mm
3011248	Spare knife for internal tool diameter 50 mm

SKIVING MACHINES

M50 SKY

SMALL SERVICE WORKSHOP

BENCHTOP SKIVING



KEY ADVANTAGES

- Plug'n skive system
- Compact & stable
- Safety switch on the cover
- Good visibility
- Tool storage included
- Foot pedal drive with emergency stop
- 2-way rotation

MAIN APPLICATIONS

Dedicated to hydraulic maintenance specialists working on medium sized machines and equipment. Also suitable for assemblers involved in medium sized hose assemblies and quantities.

TECHNICAL SPECIFICATIONS

Dimensions:	500 x 660 x 360 mm (19 x 26 x 14")	Capacity:	2wb: 2" max.
Net Weight:	45 kg (99 lb)		4ws: 2" max.
Packaging:	800 x 600 x 830 (31 x 24 x 33")	Motor:	0.25 kW
Gross Weight:	55 kg (121 lb)	Rotation Speed:	100 rpm
Voltages:	220/240 V, 1Ph, 50 Hz	Technical Features:	
	380/415 V, 3Ph, 50 Hz		Tools available (to be ordered separately) ESE, IS, ESP1, ESP2
	220/240 V, 1Ph, 60 Hz		
	380/415 V, 3Ph, 60 Hz		

HOSE AND FITTING SELECTION

Hose Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	2"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast
4 Wire Spirals	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex

SKIING MACHINES

M50 SKY

SMALL SERVICE WORKSHOP

BENCHTOP SKIVING

ORDERING INFORMATION

Product Code	Description
EOS3434N50PSK	M50 SKY 380/415V 3PH 50HZ
EOS3437N50PSK	M50 SKY 220/240V 3PH 50HZ
EOS3439N50PSK	M50 SKY 208/240V 3PH 60HZ
EOS343BN50PSK	M50 SKY 380/415V 3PH 60HZ

AVAILABLE ACCESSORIES

Product Code	Description
ESS3430NKTESE	KIT ESE 6 TO 50 10 MANDRELS 1/4" TO 2"
ESS3430NKTIS	KIT IS 12/51 7 MANDRELS 1/2" TO 2"
ESS3430NIS10	IS 10 (3/8")
ESS3430NIS13	IS 13 (1/2")
ESS3430NIS16	IS 16 (5/8")
ESS3430NIS19	IS 19 (3/4")
ESS3430NIS25	IS 25 (1")
ESS3430NIS32	IS 32 (1"1/4)
ESS3430NIS38	IS 38 (1"1/2)
ESS3430NIS50	IS 50 (2")
ESS3430NKTESP	KIT ESP 06/51 10 MANDRELS 1/4" TO 2"
ESS3430NESP5	ESP 05 (3/16")
ESS3430NESP6	ESP 06 (1/4")
ESS3430NESP8	ESP 08 (5/16")
ESS3430NESP10	ESP 10 (3/8")
ESS3430NESP12	ESP 12 (1/2")
ESS3430NESP16	ESP 16 (5/8")
ESS3430NESP19	ESP 19 (3/4")
ESS3430NESP25	ESP 25 (1")
ESS3430NESP31	ESP 31 (1"1/4)
ESS3430NESP38	ESP 38 (1"1/2)
ESS3430NESP51	ESP 51 (2")
ESS3220NMESP19F	ESP 19 FORESTMASTER HOSE
ESS3220NMESP25F	ESP 25 FORESTMASTER HOSE
ESS3430N2KNESP	KIT 2ND KNIFE FOR ESP
3001795	Spare knife for ESE Ext Skiving 6/50 mm
3011245	Spare knife for internal tool diameter 13 & 16 mm
3011246	Spare knife for internal tool diameter 19 & 25 mm
3011247	Spare knife for internal tool diameter 32 & 38 mm
3011248	Spare knife for internal tool diameter 50 mm

SKIVING MACHINES



M205 SKY

EXPERT SERVICE LINE

STAND TYPE SKIVING MACHINE

KEY ADVANTAGES

- Plug'n skive system
- Large dust collector
- Robust & easily adjustable knife for quick and easy changeover
- Suitable for high volume production
- 2-way rotation

MAIN APPLICATIONS

Dedicated to professional assemblers, large OEM suppliers and special applications.

TECHNICAL SPECIFICATIONS

Dimensions: 675 x 550 x 1130 mm (27 x 22 x 44")

Net Weight: 100 kg (220 lb)

Packaging: 800 x 600 x 1200 mm (32 x 24 x 47")

Gross Weight: 160 kg (353 lb)

Voltages: 220/240 V, 3Ph, 50 Hz

380/415 V, 3Ph, 50 Hz

208/240 V, 3Ph, 60 Hz

380/415 V, 3Ph, 60 Hz

Capacity: 2wb: 2" max.

4ws: 2" max.

6ws: 3" max. with original tools

Motor: 0.9 kW

Speed Rotation: 205 rpm

Technical Features:

- Options available: speed regulator, hose clamping system (limited to distribution workshop using sizes under 2")

- Tools available (to be ordered separately): ESA, IS, ESP1, ESP2

HOSE AND FITTING SELECTION

Hose Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	3" with optional skiving tool	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast
4 Wire Spirals	3" with optional skiving tool	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
6 Wire Spirals	3" with optional skiving tool	Diamondspir; Rockmaster/15

SKIING MACHINES

M205 SKY

EXPERT SERVICE LINE

STAND TYPE SKIING MACHINE

ORDERING INFORMATION

Product Code	Description
EOS3434N205PSK	M205 SKY 380/415V 3PH 50HZ W/O ADJ.SPEED
EOS3434N205PSKRSA	M205 SKY 380/415V 50/60HZ W / ADJ. SPEED
EOS3327NM205PRSA	M205 SKY 208/240V 3PH 50/60Hz /adj.speed
EOS3437N205PSK	M205 SKY 220/240V 3PH 50HZ W/O AJD. SPEED
EOS343BN205PSK	M205 SKY 380/415V 3PH 60HZ W/O ADJ. SPEED

AVAILABLE ACCESSORIES

Product Code	Description
ESS3430NKTESA	KIT ESA Ext Skiing - 11 mandrels 5/50 (5/6/8/10/13/16/19/25/32/38/50) M205 SKY PLUS
ESS3430NKTIS	KIT IS 12/51 7 MANDRELS 1/2' TO 2"
ESS3430NIS10	IS 10 (3/8")
ESS3430NIS13	IS 13 (1/2")
ESS3430NIS16	IS 16 (5/8")
ESS3430NIS19	IS 19 (3/4")
ESS3430NIS25	IS 25 (1")
ESS3430NIS32	IS 32 (1"1/4)
ESS3430NIS38	IS 38 (1"1/2)
ESS3430NIS50	IS 50 (2")
ESS3430NIS63	IS 63 (2"1/2) for M205 SKY+
ESS3430NIS76	IS 76 (3") for M205 SKY+
ESS3430NKTESP	KIT ESP 06/51 10 MANDRELS 1/4" TO 2"
ESS3430NESP5	ESP 05 (3/16")
ESS3430NESP6	ESP 06 (1/4")
ESS3430NESP8	ESP 08 (5/16")
ESS3430NESP10	ESP 10 (3/8")
ESS3430NESP12	ESP 12 (1/2")
ESS3430NESP16	ESP 16 (5/8")
ESS3430NESP19	ESP 19 (3/4")
ESS3430NESP25	ESP 25 (1")
ESS3430NESP31	ESP 31 (1"1/4)
ESS3430NESP38	ESP 38 (1"1/2)
ESS3430NESP51	ESP 51 (2")
ESS3430NESP63	ESP 63 (2"1/2)
ESS3430NESP76	ESP 76 (3")
ESS3430N2KNESP	KIT 2ND KNIFE FOR ESP
ESS3220NMESP19F	ESP 19 FORESTMASTER HOSE
ESS3220NMESP25F	ESP 25 FORESTMASTER HOSE
3011245	Spare knife for internal tool diameter 13 & 16 mm
3011246	Spare knife for internal tool diameter 19 & 25 mm
3011247	Spare knife for internal tool diameter 32 & 38 mm
3011248	Spare knife for internal tool diameter 50
3011221	Spare knife for external skiing for M205 SKY

MARKING MACHINES



M50 MARK

AFTER MARKET SERVICE

BENCHTOP, FERRULE MARKING

KEY ADVANTAGES

- Robust
- Easy to use
- Compact
- Large space for 14 stamps

MAIN APPLICATIONS

Dedicated to repair shops and distributors for marking low volumes of ferrules.

TECHNICAL SPECIFICATIONS

Dimensions: 390 x 360 x 520 mm (15 x 14 x 20")

Net Weight: 34 kg (75 lb)

Packaging: 800 x 600 x 830 mm (31 x 24 x 33")

Gross Weight: 50 kg (110 lb)

Capacity: 2wb: 4" max.

4ws: 4" max.

Standard stamp holder: 2 x 14 stamps

Size of the stamps: 6 x 3 mm (0.236 x 0.118")

Height of the letters: 2.5 mm (0.098")

Technical Features:

Optional stamp holder with numbering wheel: 3 figures on the wheel and one groove for 10 stamps

Stamp Box Containing:

Letters (quantity in brackets): A(3), B(2), C(2), D(2), E(4), F(2), G(2), H(2), I(3), J(2), K(2), L(3), M(2), N(2), O(1), P(2), Q(1), R(3), S(3), T(2), U(3), V(2), W(1), X(1), Y(1), Z(1)

Numbers (quantity in brackets): 0(3), 1(3), 2(4), 3(4), 4(4), 5(3), 6(3), 7(3), 8(3), 9(3)

Signs (quantity in brackets): / (2), , (2), - (2), . (2)

MARKING MACHINES

M50 MARK

AFTER MARKET SERVICE

BENCHTOP, FERRULES MARKING

ORDERING INFORMATION

Product Code	Description
EOM3120N	M50 MARK MANUAL MARKING MACHINE

AVAILABLE ACCESSORIES

Product Code	Description
ESM3220NTCOF120PB	Box with 120 characters (letters and numbers)
ESM3220NTPOINCBRUT	Characters 6 x 3 mm (to be indicated)
3011158	Numbering wheel with 3 figures M50 MARK
3003814	Blank character M 50 MARK

INSERT PUSHING MACHINES

M1500 INS

EXPERT SERVICE LINE

BENCHTOP COUPLING INSERTER



KEY ADVANTAGES

- Compact
- Sturdy
- Powerful

MAIN APPLICATIONS

Dedicated to assemblers involved in relevant productions and professional workshops.

TECHNICAL SPECIFICATIONS

Dimensions: 750 x 660 x 300 mm (30 x 26 x 12")

Net Weight: 70 kg (154 lb)

Capacity: 2wb: 2" max.

4ws: 2" max.

6ws: 2" max.

Power Supply: compressed air (7 bar)

Technical Features:

Optional tool: for small bore 1/4", 3/8", 1/2" shell

HOSE AND FITTING SELECTION

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit; MF3000 OPF; MF3000 OPK	2"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast
4 Wire Spirals	MF2000 Multifit; MF2000 Interlock Plus; MF3000 OPK; MF2000 Spiralfit	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
6 Wire Spirals	MF2000 Xtralock; MF2000 Interlock Plus	2"	Diamondspir (up to 2")

INSERT PUSHING MACHINES

M1500 INS

EXPERT SERVICE LINE

BENCHTOP COUPLING INSERTER

ORDERING INFORMATION

Product Code	Description
EOI3430S1500I	M1500 INS (COUPLING INSERTER ½" to 2")

TEST BENCHES

MTB 1500

**TEST BENCH, PROOF PRESSURE & CERTIFY
STAND TYPE MACHINE**



KEY ADVANTAGES

- Large testing area for up to 5 hoses
- 2 manometers: 0 - 400 bar for precision reading and 0 - 1500 bar for high pressure
- Double safety interlock on the lid to turn the pressure off when opening
- Test assemblies up to 1500 bar (see MTB 2500)

MAIN APPLICATIONS

Dedicated to assemblers involved in limited quantities of high pressure hoses. Recommended for professional workshops.

TECHNICAL SPECIFICATIONS

Dimensions:	2500 x 800 x 1050 mm (98 x 31 x 41")	Max. Pressure	21755 psi
Net Weight:	175 kg (386 lb)	Technical Features:	
Packaging:	2360 x 1130 x 1330 mm (93 x 44 x 52")	Compressed air input 7 bar (100 psi)	
Gross Weight:	330 kg (728 lb)		
Capacity:	Wide hose range		

HOSE AND FITTING SELECTION

Hose Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	2"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast
4 Wire Spirals	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
6 Wire Spirals	2"	Diamondspir (up to 2"); Goldenblast/Six; Rockmaster/13; Rockmaster/15

TEST BENCHES

MTB 1500

TEST BENCH, PROOF PRESSURE & CERTIFY

STAND TYPE MACHINE

ORDERING INFORMATION

Product Code	Description
EOT3420SMTB1500	MTB 1500 BAR (STATIC TEST RIG- ¼" to 2")
EOT3420SMTB1500TSD	MTB 1500 WITH TSD & PRINTER

AVAILABLE ACCESSORIES

Product Code	Description
EST3433NMTBLIGHT	Optional internal light - MTB1500/2500
EST3433NMTBEMU	Optional emulsion test (40 liter tank)

TEST BENCHES

MTB 2500

**TEST BENCH, PROOF PRESSURE & CERTIFY
STAND TYPE MACHINE**



KEY ADVANTAGES

- Large testing area for up to 5 hoses
- 2 manometers: 0 - 400 bar for precision reading and 0 - 2500 bar for high pressure
- Double safety interlock on the lid to turn the pressure off when opening
- Test assemblies up to 2500 bar

MAIN APPLICATIONS

Dedicated to assemblers involved in limited quantities of high pressure hoses. Recommended for professional workshops.

TECHNICAL SPECIFICATIONS

Dimensions: 2500 x 800 x 1050 mm (98 x 31 x 41")
Net Weight: 175 kg (386 lb)
Packaging: 2360 x 1130 x 1330 mm (93 x 44 x 52")
Gross Weight: 330 kg (728 lb)
Capacity: Wide hose range
Max. Pressure: 36259 psi

Technical Features:

- Compressed air input 7 bar (100 psi)
- Minimum compressed air input: 7 bar with minimum air flow 1000 l/min (dry air)
- Standard fluid used for tests: filtered water; minimum inlet pressure 3 bar
- Options available: computer and printer for test report, internal light, second pump for low pressure, test with emulsion in filtered closed circuit

HOSE AND FITTING SELECTION

Hose Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	2"	Tractor; Harvester; Lyteflex; Pilot; Cover; Equator; Rockmaster (braided); Shieldmaster (braided); Astro; Multitex; Hydroplast
4 Wire Spirals	2"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex
6 Wire Spirals	2"	Diamondspir (up to 2"); Goldenblast/Six; Rockmaster/13; Rockmaster/15

TEST BENCHES

MTB 2500

TEST BENCH, PROOF PRESSURE & CERTIFY

STAND TYPE MACHINE

ORDERING INFORMATION

Product Code	Description
EOT3420SMTB2500TSD	MTB 2500 WITH TSD & PRINTER
EOT3430SMTB2500	MTB 2500 BAR (STATIC TEST RIG 1/4" to 2")

AVAILABLE ACCESSORIES

Product Code	Description
EST3433NMTBLIGHT	Optional internal light - MTB1500/2500
EST3433NMTBEMU	Optional emulsion test (40 litre tank)

ACCESSORIES AND TOOLS

CUTTING DISCS

Preferred blade type as standard:

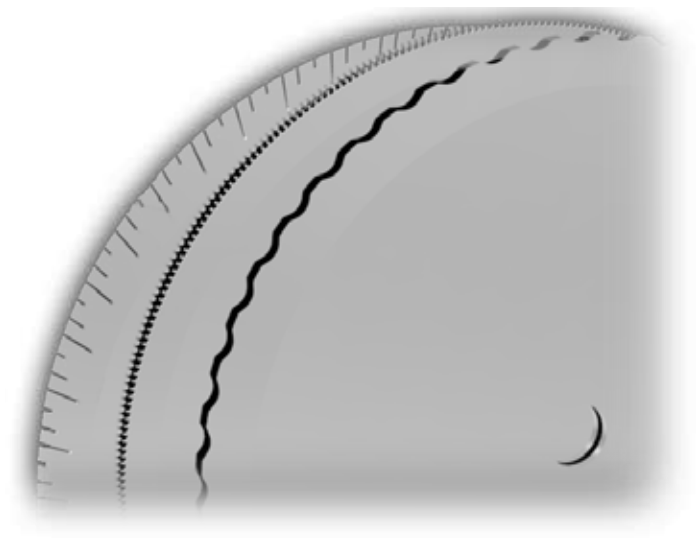
The scalloped blade is suitable for all hose types. It is the optimum solution for the whole hose range and is able to reach a high quality of cutting surface.

Alternative blade type:

The serrated disc is recommended for cutting small bore wire braided hoses (up to DN 31), and is also suitable for cutting spiral hoses.

High performance blade type:

The slotted blade is recommended for cutting standard and heavy duty hoses. It is ideal for continuous service, as the blade profile has been optimised to maintain a low temperature on the cutting edge. It is dedicated to OEM assembling.



BRAKE MOTOR

The brake motor is a safety device - when the stop button is pushed, the disc stops immediately.

PNEUMATIC BENDING

AVAILABLE ON M75 CUT AND M55 CUT

Pneumatic bending facilitates cutting, as the operator does not have to force the hose on the blade. The pneumatic system, activated by a foot switch, offers hands free operation. This is the same principle for the hydraulic bending on M90 CUT.

HOSE CLAMPING SYSTEM

Recommended for skiving hoses over 2" (DN 50)

ACCESSORIES AND TOOLS

SKIVING MACHINES

All Manuli skiving machines are equipped with the Plug'n Skive System which allows the quick and easy insertion of tools.

With the Plug n'Skive System no tools are needed to insert the skiving mandrel, simply push the mandrel into the locking system to unlock it, lift a knob and pull out the tool.

EXTERNAL SKIVING TOOLS

Depending on the machine and on customer needs, Manuli offers 3 types of external skiving tools:

ESE (EXTERNAL SKIVING ECONOMIC)

FOR MH SKY, M50 SKY AND M30 CUT & SKIVE

The ESE kit includes 10 mandrels: $\frac{1}{4}$ " , $\frac{5}{16}$ " , $\frac{3}{8}$ " , $\frac{1}{2}$ " , $\frac{5}{8}$ " , $\frac{3}{4}$ " , 1" , 1 $\frac{1}{4}$ " , 1 $\frac{1}{2}$ " , 2"

ESA (EXTERNAL SKIVING ADJUSTABLE)

FOR M205 SKY

The ESA kit includes 11 mandrels: $\frac{3}{16}$ " , $\frac{1}{4}$ " , $\frac{5}{16}$ " , $\frac{3}{8}$ " , $\frac{1}{2}$ " , $\frac{5}{8}$ " , $\frac{3}{4}$ " , 1" , 1 $\frac{1}{4}$ " , 1 $\frac{1}{2}$ " , 2"

ESA mandrels are also available in 2 $\frac{1}{2}$ " and 3"

ESP (EXTERNAL SKIVING PRODUCTION)

FOR M50 SKY AND M205 SKY

ESP tools are individual 'skiving heads' intended to be pre-set to the right depth and length for greater productivity. They are recommended for batch skiving operations and a second knife can be added for abrasion resistant covers.

ESP is available in: $\frac{3}{16}$ " , $\frac{1}{4}$ " , $\frac{5}{16}$ " , $\frac{3}{8}$ " , $\frac{1}{2}$ " , $\frac{5}{8}$ " , $\frac{3}{4}$ " , 1" , 1 $\frac{1}{4}$ " , 1 $\frac{1}{2}$ " , 2" , 2 $\frac{1}{2}$ " , 3"



ESE skiving tools

ACCESSORIES AND TOOLS

INTERNAL SKIVING TOOLS

IS (INTERNAL SKIVING)

FOR ALL MACHINES

The IS kit includes 7 mandrels: $\frac{1}{2}$ " , $\frac{5}{8}$ " , $\frac{3}{4}$ " , 1" , $1\frac{1}{4}$ " , $1\frac{1}{2}$ " , 2"

They are also available in $\frac{3}{8}$ " , $2\frac{1}{2}$ " and 3"

The ring is heat treated to resist the abrasion of the hose wires.



ACCESSORIES AND TOOLS

SAFE CRIMP SYSTEM (SCS)

DIGITAL CONTROL

SCS is the revolutionary expert system created to manage the crimping operations for Manuli hose assemblies. It includes the integration of the Manuli Hydraulics fluid connectors assembling parameters, allowing easy machine set-up and automated quality control of the assembling process for improved production consistency and safety.

Large OEM hose assembly productions in particular require increasingly high quality standards from suppliers. They need proven and certified systems and processes with measurable and repeatable parameters.

SCS is the answer.

SCS provides:

- Automated counting, mistake proofing, pressure control and quality control
- Automated crimp diameter set-up, according to hose selection and the required combination of fittings (insert and ferrule), with the Manuli crimp chart database embedded
- Pre-set calibration of the crimp diameter to compensate for instances of elastic rebound after the crimping operation
- Automatic measurement of the crimping diameter and crimping force, allowing for 100% quality checking and statistical data gathering
- Automated opening control to vary the opening process according to the requirements of the fitting geometry
- Possibility of progressive crimping (in steps rather than continuous) for use with tubing and thermoplastic hoses - Not suitable for rubber hose assemblies
- Possibility to program crimping sequences for elbows and straight fittings
- Assembly line identification (login / logout functions) to enhance traceability
- Maintenance alert for machine service
- Updates according to the latest Manuli crimping data for ongoing compliance with current requirements

Additionally, SCS creates and maintains a database of your assembling activities (including logs of recurrent and customised assemblies), recording the related control and custom parameters as well as personalised solutions.

SCS also provides an immediate alert for possible mistakes in production (eg: an incorrectly inserted fitting or an incomplete crimping operation). Mistakes are immediately detected and rejected by the system, minimising the possibility of the incorrect component being supplied to a customer.

SCS is available on all Manuli Hydraulics stand type crimp machines and on relevant new benchtop models.



ACCESSORIES AND TOOLS

ELECTRONIC PANEL

A modern flat panel with electronic buttons, which includes maintenance functions essential for keeping the machine in good condition.

Maintenance functions include:

- **2 Counters:** 1 daily counter and 1 machine life counter
- **3 LED Indicator Lights:** 1 for daily maintenance, 1 for advanced maintenance and 1 for expert maintenance
- **Semi-automatic function:** The semi-automatic opening is ideal for serial assemblies as it can be adjusted specifically to allow the fitting to pass through the dies with minimal clearance, reducing the cycle time.



NUMERICAL VERNIER

AVAILABLE ON ALL MACHINES EXCEPT MHP 80

The ergonomic numerical vernier is the standard control system offered on Manuli machines.

This system is designed for machines used in repair workshops where assemblies are mostly composed of small batches. The crimping diameter is easily adjusted by a numerical vernier (2 colours highlighting mm and 0.1mm).

100 units on the dial change the crimping diameter by 1 mm. The adjustment of the crimping diameter can be controlled up to 1/100 mm. The counter is oriented toward the operator to provide high visibility. The unit also includes an end crimping light and a guard which is firmly fixed to the machine, protecting the vernier from damage.



From MB 137 to MB 350

ACCESSORIES AND TOOLS

ELECTRICAL FOOT SWITCH (EFS)

AVAILABLE ON MACHINES FROM MB 137 PLUS TO GOLDENCRIMP 450 AND ALL STAND-TYPE MODELS

The electrical foot switch allows the operator to use both hands during the crimping process, increasing ease of use and improving safety.



MECHANICAL BACKSTOP (MBS)

AVAILABLE ON MACHINES FROM MB 240 TO MB 350 AND STAND-TYPE MODELS

The mechanical backstop allows quick positioning of the fittings in the crimp head. There is also an electronic version.

ERGONOMIC TABLE (ET)

AVAILABLE ON BENCHTOP CRIMPERS

Specifically designed for the MB 240 and MB 350 crimpers, the ergonomic table provides a perfect working height, complete access around the machine and a minimal footprint. The front hook and the shelf also provide storage facilities.



ACCESSORIES AND TOOLS

ERGONOMIC QUICK CHANGE GUN

AVAILABLE ON ALL MACHINES EXCEPT MHP 80

This innovative quick change system is available on all electric crimping machines. The ergonomic quick change gun is ideal for maximising comfort and increasing productivity when changing die sets.

Fast, clean and ergonomic

An ergonomic quick change gun provides the ability to change all of the dies simultaneously. The die sets are organised and stored in die pods on the machine panel.

Easy and safe

The system is designed to be simple to use. Dies are changed in a static position to minimise the possibility of the die pins breaking.

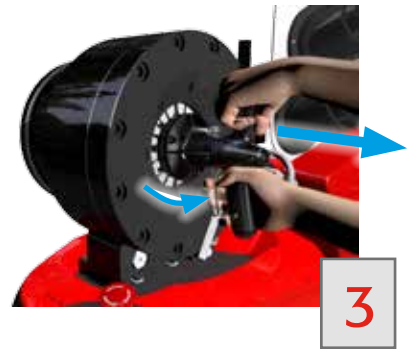
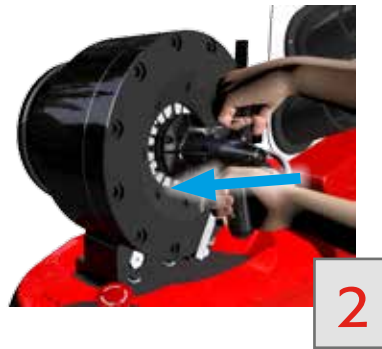


ACCESSORIES AND TOOLS

HOW TO CHANGE THE DIE

To insert the dies:

1. Choose the correct die set and take it out of the die rack.
2. Ensure the master dies are closed, then insert the die set into the head.
3. Release the die set into the head by pulling the trigger of the quick change gun.



To remove the dies:

4. Once the dies are closed, insert the quick change gun into the head until the die set is fixed to the magnets.
5. Pull the quick change gun out without pulling the trigger. The die set comes out of the head and is held by the magnets on the gun.
6. Place the die set back into the die rack.

