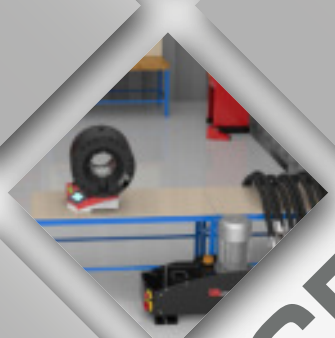


QUALITY

INTELLIGENT DESIGN
EXCELLENCE
PARTNERSHIP

INTEGRATED SOLUTIONS

CRIMPING MACHINES EVO RANGE



 **manuli**[®]
HYDRAULICS

Why Manuli?

Manuli Hydraulics is focused on achieving excellence in the design, manufacture and supply of fluid conveyance solutions, components and associated equipment for high pressure hydraulics, refrigeration and oil and marine applications.

Manuli Hydraulics

**Manuli Hydraulics assemble
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EVO crimping machin**

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Quality and sustainable development are the driving forces of all Manuli Hydraulics' activities, with an aim to guarantee worldwide availability of technical and commercial support for it's products and services.



An integrated approach

Modern hydraulics applications require robust fluid connector solutions with guaranteed long lasting performance. To that end, Manuli Hydraulics offers a complete range of hoses, fittings and assembly equipment which are designed to work seamlessly together. This harmonised approach allows us to guarantee the quality and performance of hose assemblies in a way that others cannot match.

From design to manufacture and assembly, our commitment to this unified philosophy makes us the global leader in providing integrated solutions for hydraulic connector applications.



Hydraulics Crimping Machines EVO Range

Manuli machines are part of an integrated product range, designed to ensure users get the best benefits from their Manuli hoses and fittings. The latest evolution of this range are the new EVO machines.

Combine the robustness required for harsh environments with the reliability needed for busy workshops. And ergonomic design, along with the ease of set up and maintenance, make them suitable for a variety of applications. This extensive range is highly adaptable, with various options available allowing users to customise their machines according to their specific needs.

Safe Crimp Panels

There are three varieties of Safe Crimp panels available to fit all requirements:

- **SC panel** - A basic Smart Control panel which includes 2 counters and 3 LED indicator lights. 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.
- **SCE panel** - The Safe Crimp Electrical panel includes all of the features of the SC panel, with the addition of an electronic micrometer with the ability to save up to 25 configurations
- **SCS panel** - Safe Crimp System which 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.

Now Bluetooth Enabled

All EVO range crimping machines with SC and SCE control systems are now also "Bluetooth Enabled" as standard. This functionality is part of Manuli's drive to minimise potential assembly failures by eliminating the prospect of human error in inputting crimp data. As incorrect crimping can lead to catastrophic failure of a hose assembly, this is a prime example of how Manuli is focussed on ensuring the safety and reliability of their products for the end user.



Ergonomic Table

Specifically designed for the EVO range crimping machines, the ergonomic table provides convenient access and storage for the machine's dies. It also ensures a perfect working height, complete access around the machine and a minimal footprint. Die storage rack also available for direct access to the die sets on the machine.

Register your EVO machine at www.manuli-hydraulics.com for a 2 year warranty and € 100 voucher for use against the purchase of Manuli after-sales maintenance kits.

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MB 137 EVO

Key features

- Crimp force of up to 137 tonnes for hoses up to 1 1/4"
- Easy to use and robust
- Extensive range of dies to suit crimping of hydraulic hoses
- Easy to set up
- Easy to maintain
- Fast and reliable



Technical Specifications

Dimensions:	765 x 400 x 650 mm (30 x 16 x 26")	Crimp Range:	4 - 70 mm (0.157 - 2.756")
Net 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, 3wPh, 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 36, 39, 42, 45, 48, 51
Capacity:	2wb: 1 1/4" max. 4ws: 1 1/4" max.	Technical Features:	Other voltages available on request ,SCE and SCS version available
Motor:	4.0 kW		

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

Ordering Information

Product Code	Description
EOA3224NMB137ESC	MB137 EVO SC 380/415V 3PH+N 50HZ without dies

MB 240 EVO

Key features

- Crimp force of up to 240 tonnes for hoses up to 2"
- Easy to use and robust
- Radial die movement
- High crimping force
- Extensive range of dies to suit crimping of hydraulic hoses
- Easy set up and maintenance
- Fast and reliable



Technical Specifications

Dimensions:	765 x 400 x 650 mm (30 x 16 x 26")	Motor:	4.0 kW
Net Weight:	165 kg (364 lb)	Crimp Range:	4 - 76 mm (0.157 - 2.992")
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	Crimp Force:	240 t
Capacity:	2wb: 2" max. 4ws: 2" max. 6ws: 1" max.	Opening with Dies:	+38 mm (+1.496")
		Complete Opening:	118 mm (4.645")
		Master Die Length:	100 mm (3.937")
		Standard Dies:	15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 57, 62, 66, 70, 72
		Technical Features:	Other voltages available on request ,SC and SCS version available

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

Ordering Information

Product Code	Description
EOA3324NMB240ESC	MB240 EVO SC 380/415V 3PH 50HZ without dies
EOA3324NMB240ESCE	MB240 EVO SCE 380/415V 3PH 50HZ without dies
EOA3324NMB240ESCS	MB240 EVO SCS 380/415V 3PH 50HZ without dies

MB 350 EVO

Key features

- Crimp force of up to 350 tonnes for hoses up to 3"
- Easy to use and robust
- Automatic maintenance alerts
- Groove for 90° long drop fittings
- Also available as MB 350 L with 4.0 kW motor



Technical Specifications

Dimensions: 765 x 400 x 750 mm (30 x 16 x 30")

Net Weight: 262 kg (578 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: 2" max.

Safety remarks:

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

Motor: 5.5 kW

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
- Also available as MB 350 EVO L with 4.0 kW Motor
- SC and SCE version available

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	1 1/2"	Diamondspir; Rockmaster/15; GoldenISO/42 Xtraflex; Shieldmaster/6000



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

Ordering Information

Product Code	Description
EOA3324NMB350ESC	MB350 EVO 5,5 kW 380-415V 3PH 50 Hz without dies
EOA3324NMB350ESCE	MB350 EVO 5,5 kW 220-240V 3PH 50 Hz without dies
EOA3324NMB350ESCS	MB350 EVO 5,5 kW SCS 380-415V 3PH 50 Hz without dies

GOLDENCRIMP 420

Key features

- High crimping force of 420 tonnes
- Robust design for transport and operation in harsh environments
- Protected cylinders for trouble-free operation in high dust environments
- Large opening suitable for large bore hoses
- Easy maintenance due to foam pads and dust collector



Technical Specifications

Dimensions: 765 x 500 x 800 mm (30 x 20 x 32 inch)

Net Weight: 395 kg (871 lb)

Packaging: 745 x 1150 x 945 mm (29 x 45 x 37 inch)

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: 6ws: 3" max.

Industrial: 4" max.

Motor: 5.5 kW

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

Crimp Force: 420 t

Opening with Dies: +48 mm (+1.9 inch)

Complete Opening: 178 mm (7.0 inch)

Master Die Length: 120 mm (4.724 inch)

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

Safety remarks:

Please consider hose-fitting-machine integration when crimping

Technical Features: SCE and SCS version available

Hose and Fitting Selection

Hose Type	Fittings Type	Max. Hose Size	Ref. Hoses
2 Wire Braid & Textile	MF2000 Multifit	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	3"	Rockmaster (spiral); Shieldmaster (spiral); GoldenISO Xtraflex; Xtraflow/4WS; Goldenblast
6 Wire Spirals	MF2000 Interlock Plus; MF2000 Xtralock; MF2000 Spiralfit	3"	Diamondspir/21 up to 3"; Rockmaster/13; Rockmaster/15; Goldenblast/Six
Industrial Textile Hose		4"	Spirtex/K; Others



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

Ordering Information

Product Code	Description
EOA3324NMGC420SC	GOLDENCRIMP/420 SC 415V 3PH 50HZ
EOA3324NMGC420SCE	GOLDENCRIMP/420 SCE 415V 3PH 50HZ
EOA3324NMGC420SCS	GOLDENCRIMP/420 SCS 415V 3PH 50HZ



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