P080 Crimping machine

P080
TECHNICAL DATASHEET



Force	80kN (17985 lbf)
Working height	135.8 ±0.02 mm (5.35 in) Applicators 212 ±0.02 mm (8.35 in) Dies
Stroke	30 / 35 / 40 / 50 mm (1.18 / 1.38 / 1.57 / 1.97 in)
Power	4.2 kW (5.5 hp)
Power supply	3x230 – 3x400 V
Voltage	230 – 400 Vac
Frequencies	50 – 60 Hz
Settable cycles	not available
Functions	Standard cycle
Connections	not available
Communication	not available
Monitor interface	not available
Weight	148 Kg (326 lb) compact version
Dimensions [LxPxH]	600 x 550 x 960 mm (24 x 22 x 38 in)
Finishing	Gray paint RAL 7038
Configuration	Bench top – automatic – on workbench
Safety guard versions	Tiltable – Pantograph – IR – Pneumatic
Management	Electronic board
Braking	Electromechanical
CFA	Optional
CAO	Optional
Safety system	Analogical
Pneumatics	Optional pneumatic safety kit
Tool anchoring system	Optional quick release baseplate
External interface	To be wired
Protection degree	IP40
Operating temperature	from +10 to +70 °C



AUTOMATIC



TILTING
SAFETY GUARD

DESCRIPTION

P080 is an electromechanical crimping machine capable of delivering a crimping force of 80 kN. Its monolithic cast-iron frame and precision mechanical components ensure excellent rigidity, compact design and optimized weight, providing precise, reliable and consistent crimps over time.

Available in automatic or manual versions, P080 is equipped with a safety guard made of stainless steel and transparent impact-resistant polycarbonate. The guards are available in tilting, pantograph, or door-type configurations with integrated safety barriers, ensuring optimal visibility of the crimping area and full operator protection in compliance with CE regulations.

The machine allows customization of working height and stroke according to the installed applicators, including Evolution, Restyling, FAKRA, MK, FMK and Magnum series models, as well as MFMP and MSMP pneumatic dies. It is also designed for the installation of CDA10 load cells or third-party systems, supplied separately.

P080 can be mounted on a workbench, with or without a wooden top, or integrated into a fully enclosed safety cabinet. It supports the installation of various plug-in accessories for wire stripping, scrap carrier strip cutting and collection of processing waste.

Mecal S.r.l. reserves the right to modify the characteristics of the product described in this datasheet without notice.

MECAL s.r.l. – Strada per Felizzano 18, 15035 Fubine Monferrato (AL) Italy – www.mecal.net – info@mecal.net

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