SINCE 1978

PRODUCT DETAILS

SFM

STEP DIAMOND CUTTING MACHINE

DESCRIPTION

Automated and compact machine for faceting chains and chain ornaments. Fully programmable with 8 controlled axis allowing full flexibility of design cuts. Can be equipped with 2 fully independent easily changeable diamond mills, or spindles, (or a combination of both). It assures the highest speed productivity in its range of machines. The cutting wheels guarantee an elevated cutting speed giving maximum cutting efficiency and quality as well as maximum durability of the cutting diamonds. Optic fibres handle communication between the PLC and the synchronised brushless motors, which allow micrometric precision in positioning and speed. Chain positioning is fully mechanical, guaranteeing perfect positioning, as well as automatic pitch error recovery, along with the fastest speed possible. All aspects of operator control are interfaced with a full touch screen control panel with program memorization capabilities as well as modem connection capabilities for remote assistance. Industry 4.0 ready.

FEATURES

- Diamond cuts around chain mounted ornaments
- 8 or 14 brushless motors
- Mechanical pitch control
- Micrometric precision
- Tele assistance available

TECNHICAL DATA

Max. production speed	20 - 30 links/min*
Cutting speed	1900 m/min
Cutting mills (or spindles)	2
Max. chain Ø	5.0 mm
Voltage (single phase)	230 V 50/60 Hz
Power	1.80 kW
Compressed air	50 l/min (filtered) at 7 bar
Dimensions	70 x 115 x 146 (h) cm - 275 kg
Packing	124 x 90 x 186 (h) cm - 397 kg

Note: The above data, features and characteristics are not binding. CIEMMEO s.r.l. retains the right to vary them at any time without prior notice