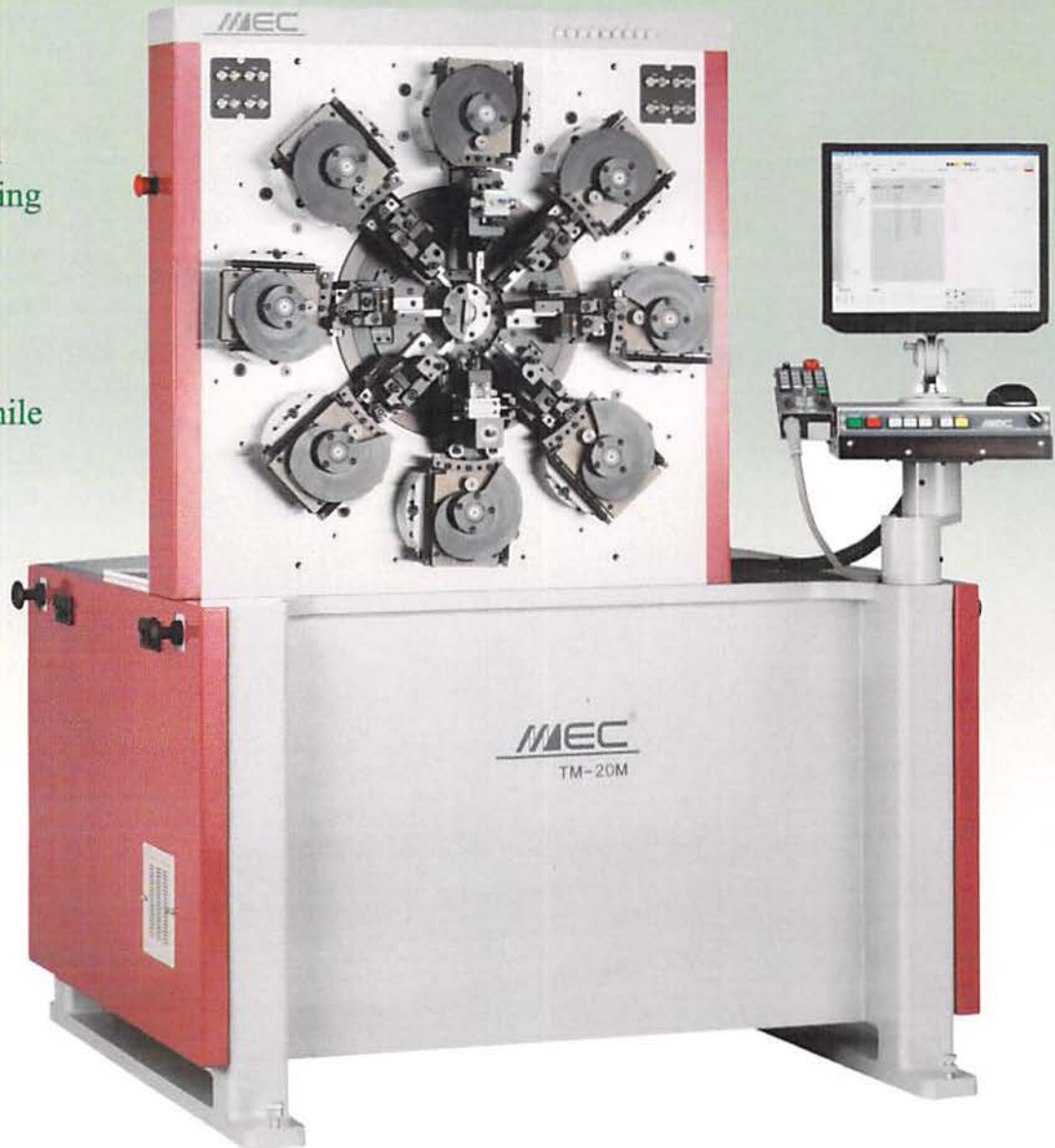# TM-20M

CNC MULTI-AXIS SPRING FORMER

The rotary tooling system is quite suitable for soft wire and flat wire

TM-20 has evolved into state-of-art model with MNO programming system

Constant position of toolings are kept with auto-compensation while the table is turning

Multifunctional gauging and easy production control

MEC

TM-20M

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TM-20M

CNC MULTI-AXIS SPRING FORMER

MACHINE SPECIFICATIONS

Wire Diameter	0.5-2.0 mm (0.02"-0.078")
Index	D/d 4 or more
Twirl Distance	Radius 68 mm
Slides	
Body Slide	1 unit
Bending Slide	3 units
Cut Slide	4 units
RR Servo Slide	Option 3 units at max.
Control Device	Max 16-axis to be controlled by computer (Windows XP)
Display	17" TFT color LC displau
External memory	USB memory
Service Temp	0-40°C
Power Source	AC 3-phase, 200V, 20A
Service air pressure	Max. 0.5 Mpa
Net Weight	1,500 kg

Specifications subject to change without notice.

FEATURES

- Tooling table equipped with 8 slides turns around a quill in the center at high speed. Slides can be setup at any angle for coil, i.e. forming adjustment can be made easily.
- Quill can rotate freely with servomotor, and proper angle can be achieved accordingly.
- Combining the rotary tooling table and the rotary quill enhances the flexibility of layout and forming process, and gives a variety of forming work.
- Complex coils can be formed with only one piece of body point setting coil angle and using the rotary tooling table along with the rotary quill.
- Tool position is unchanging by autocompensation even though the tooling table turns, and no need to re-arrange stroke when process direction is changed.
- Program screen consists of lall axis arranged and locked in tandem and program scrollable sideways. Program flow and status of each axis can be grasped at one view.
- Easy to make long program and also shorten setup time with multifunction.
- Gaging, Coil end control, and Input/Output program screen come on independently.
- Each slide has gaging system (Motor Sensor). Applying touch sensor to positioning function of specified drive motor enables to measure free length, outside dia, leg angle in 1/1000mm as minimum unit. Results aredisplayed graphically, and correction control can be made.
- Options: RR Slide (Spinner slide for U bending and L bending) and 3 RR slides at maximum can be equipped.

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