

# TM-3II

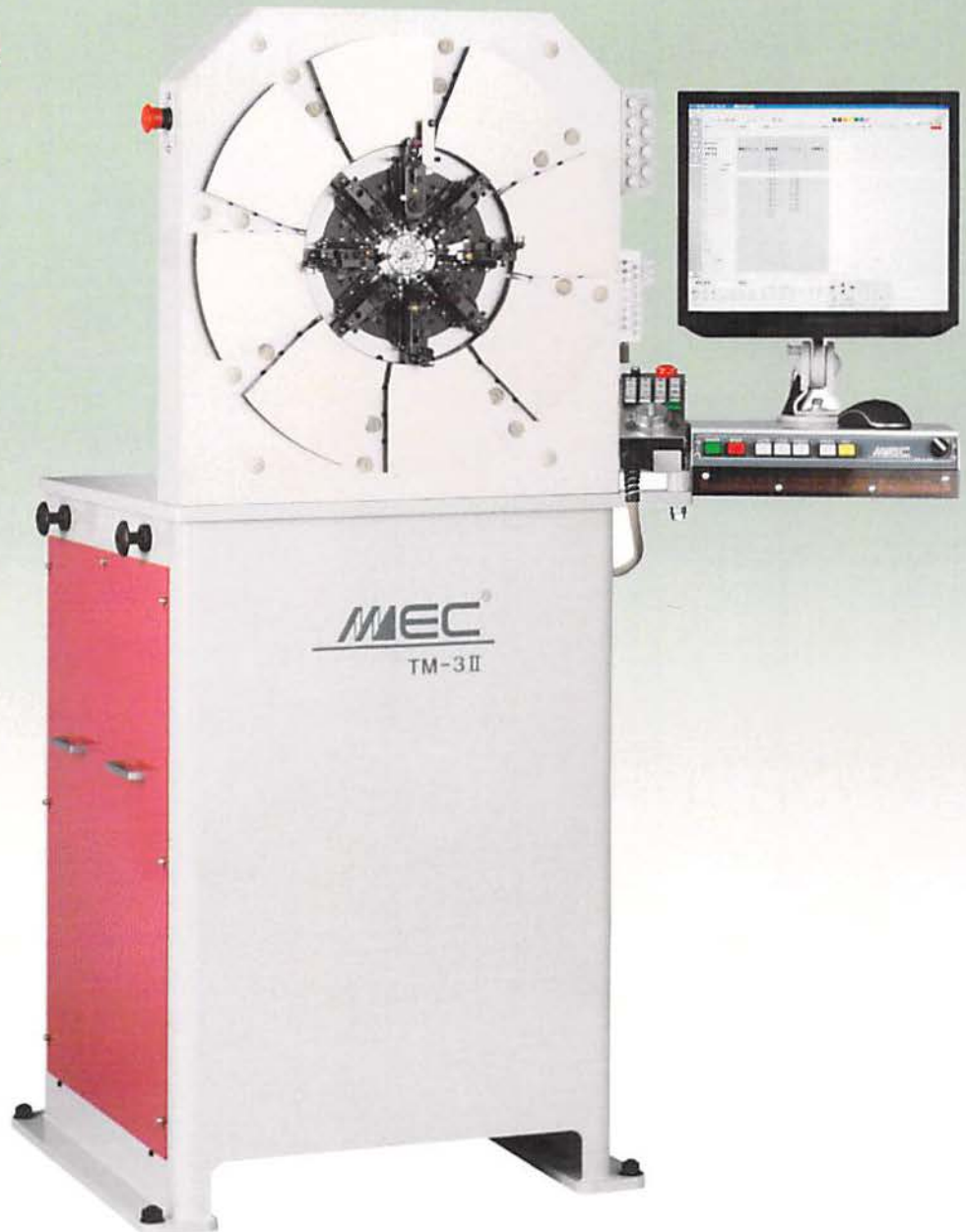
## CNC MULTI-AXIS SPRING FORMER

The rotary tooling table gives stable wire line

Evolved into the ultimate forming machine suitable for ultra fine wire

No dead zone, and constant position of tooling is kept with auto-compensation while the table is turning

MNO (Mec New Operation System) equipped controls operation, gauging and multifunctional production management



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# TM-3II

## CNC MULTI-AXIS SPRING FORMER

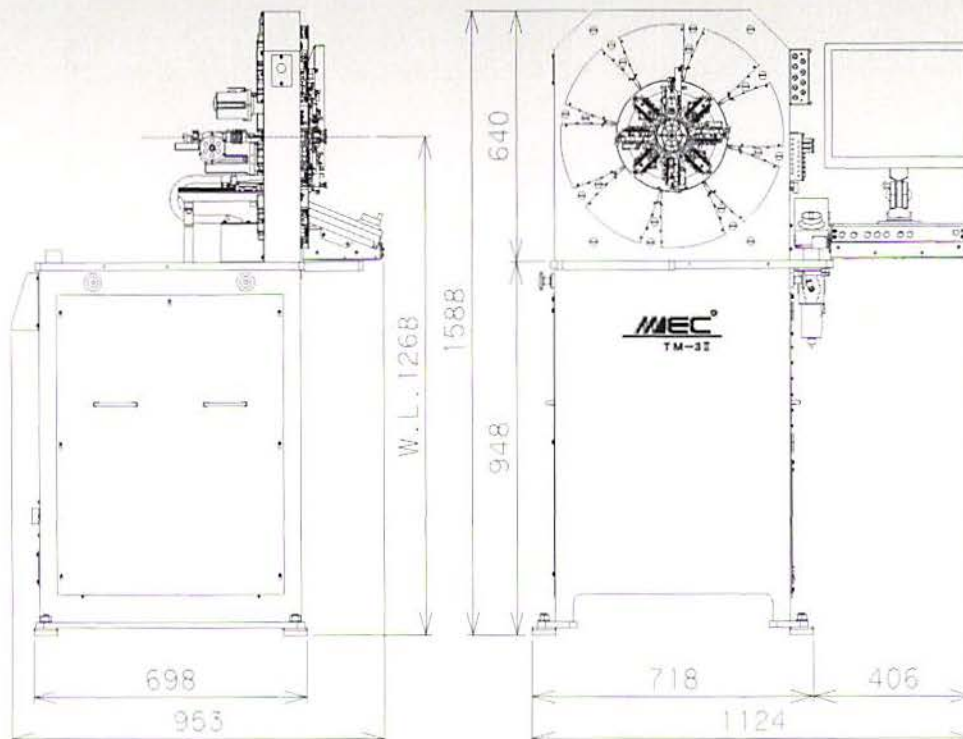
### MACHINE SPECIFICATIONS

Wire Diameter	0.05-0.3 mm (0.002"-0.012")
Index	D/d 4 or more
Twirl Distance	Radius 4 mm (15mm to machine face)
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 display
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	450 kg

*Specifications subject to change without notice*

### FEATURES

- Tooling table equipped with 8 forming slides turns around a quill in the center at high speed. Slides can be set up at any angle for coil, and setup and shape adjustment can be made easily.
- Newly developed 1 motor-for-twin slides system makes it possible to format any angle for no dead zone.
- Tool position is unchanging by auto-compensation even though tooling table turns. As a result, there is no need to re-set up stroke. Even forming direction is corrected.
- Position setup follows slide number, and no need to change drive motor number even though table rotation angle is changed.
- Modification of quill height from tooling table to 21mm from 2mm of TM-3 improves operation drastically.
- 48 mm length wire guide available that is 7mm shorter than that for conventional TM-3.
- RR servo slide and English hook slide are available as options.
- Program screen consists of all-axis always displayed and other cells movable by vertical scroll. Program flow and each axis operation can be recognized with one look.
- Easy to make long program and also shorten setup time with multifunction, jump, 1 cycle/Pause, changing operation mode during operation, auto-cut and so on.
- Gauging, Coil end control, Input/Output program screens come on independently.
- Motor Sensor system is equipped on each slide. Contact sensor is applied to specified drive motor's positioning function, and it measures free length, outside diameter, leg angle at 1/1000mm resolution same as capacitance gage. Graph display and correction control are available.



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