

TM-20M

CNC MULTI-AXIS SPRING FORMER with rotary tooling table

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



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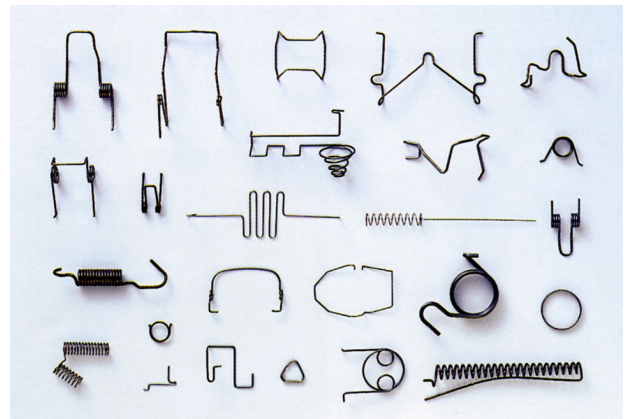
Features

- Tooling table equipped with 8 slides turns around a quill in the center at high speed. Slides can be set up 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 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 auto-compensation even though the tooling table turns, and no need to re-arrange stroke when process direction is changed.
- Program screen consists of 1all 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, Input/Output and such program screen independently comes on .
- 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 and so on in 1/1000mm as minimum unit. Results are displayed graphically, and correction control can be made.

Option

- **RR Slide**
(Spinner slide for U bending and L bending)
- 3 RR slides at maximum can be equipped.



Specifications

Wire diameter	φ0.5 ~ 2.0m		Control device	Max.16-axis can be controlled by OS Windows XP
D/d Index	4 or more		Display	17" TFT color LCD
Max Stroke	Radius 68mm		External memory	USB memory
Slides	Body slide	1 unit	Service Temp.	0 ~ 40 °C
	Bending slide	3 units	Power source	3-Phase AC200V, 25A
	Cut slide	4 units	Service air pressure	Max. 0.5 MPa
	RR servo slide	3 units	Net weight	1,500kg
		Option		

