WH-26A

MEC 8-AXIS CNC DUAL-POINT COILING MACHINE

For wire diameters of ø0.6 ~ ø2.6 mm / ø0.0236" ~ ø0.1023"

WH-26A achieves high-speed production, high-precision coiling, and reduction of setup time.
It can process outer coil diameters up to ø70 mm (ø2.756").

The coil program, equipped with a pitch diagram,
allows the user to easily create programs for multiple shapes.

Compression spring

AMADA

Features

8-axis control with an emphasis on operability and quality improvement, due to the introduction of a dual feed roller

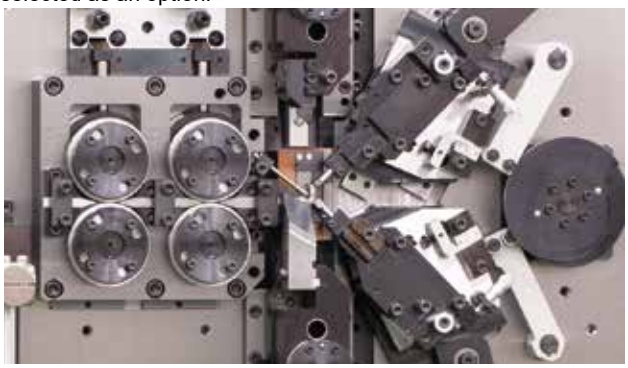
- The WH-26A supports various shapes with the standard features of 8-axis control: cut, wedge-pitch, push-pitch, point, auxiliary point, center-cam, and arbor front and arbor back.
- The rotary or straight cuts and the wedge-pitch can be switched by simply moving the eccentric pin.
- You can switch programming between right- and left-hand coiling without replacing the heavy slide.
- The WH-26A is equipped with cut, wedge pitch, and arbor functions on the center slide. As a result, it only needs to adjust the alignment of the cut tool once regardless of the coil diameter.
- The introduction of the dual feed roller reduces the load of feed pressure applied to the wire.

Support for IOT

The operating status of machine can be monitored through mobile phones or computers, and regular maintenance with preventive maintenance functions can contribute to improved production efficiency.

Optional equipment

A slip sensor that detects the slip of the wire during coiling can be selected as an option.

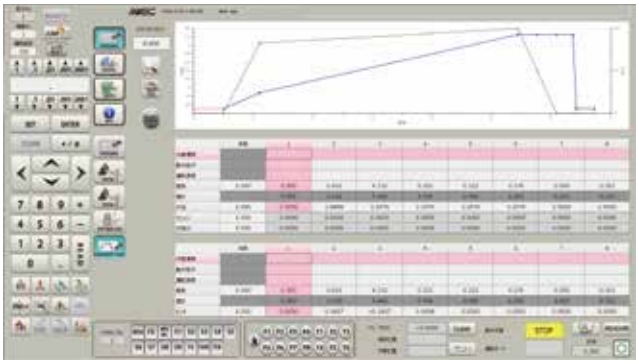


2 point area for coiling

The center axis moves the point slide vertically and horizontally. The center slide is driven by a gear motor with brake.

Improved operability with the MNO2 (MEC New Operation 2) **programming software**

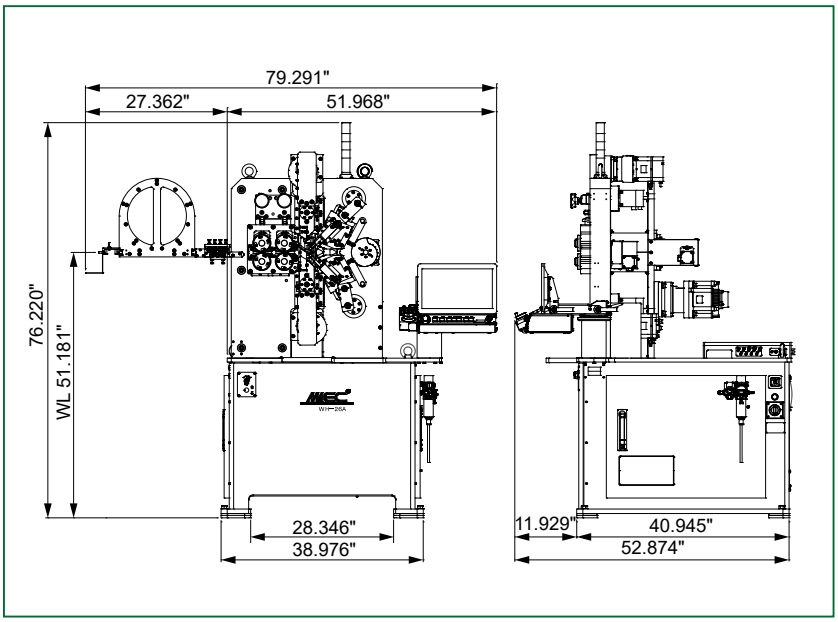
- The **MEC** original spring program **MNO2** easily organizes important statistics about the machine, including program flow, operating status of each axis, inputs/outputs, jump, etc., as with our other spring machines.
- The program editing function has greatly evolved, and the navigation system function and touch screen make it easier to create programs and shorten the setup time.
- The program for number of coils allows change of the feed, pitch, outer coil diameter, initial tension and wedge on the evolved pitch diagram screen, making it easier to adjust the basic coils.
- For taper springs, you can control the rate of taper change by inputting a numerical value from 0 to 100. The taper is leaner when closer to 0, and bigger when approaching 100. In addition, it is also possible to perform load adjustment by slightly adjusting the value.
- The automatic function of coil length correction is based on the capacitance length measurement method. The multi-functional production management system gives easy-to-control production.



Program for number of coils (cylindrical coils)

By freely inputting numerical values for the pitch and outer coil diameter, you can easily adjust the compression spring program.

Specifications



*Resolution: Program input unit, which does not represent accuracy.
Specifications are subject to change without notice for product improvement.

Machine name	WH-26A
Wire diameter	ø0.6 ~ ø2.6 mm (ø0.0236" ~ ø0.1023")
Outer coil diameter	ø70 mm (ø2.756")
Index	D/d 4 or more
Feed axis*	0.0001 mm (0.000004")
Max feed speed	200 m/min (656 ft/min)
Cut axis*	0.001°
Wedge-pitch axis*	0.001°
Push-pitch axis*	0.0001 mm (0.000004")
Point axis* (auxiliary)	0.0001 mm (0.000004")
Center-cam axis*	0.0001 mm (0.000004")
Arbor front/back*	0.0001 mm (0.000004")
Solenoid valves	4 pcs (Max 8 pcs)
Max air pressure	0.5 MPa
Power source	3-phase, AC 200V, 20A
Net weight	1100 kg (2425 lbs)
Control device	Windows
Software	MNO2
Display	15.6” Full HD touch screen
External memory	USB Thumb drive
Temperature	5 ~ 40°C (41 ~ 104°F)

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Inquiry