

WH-8A

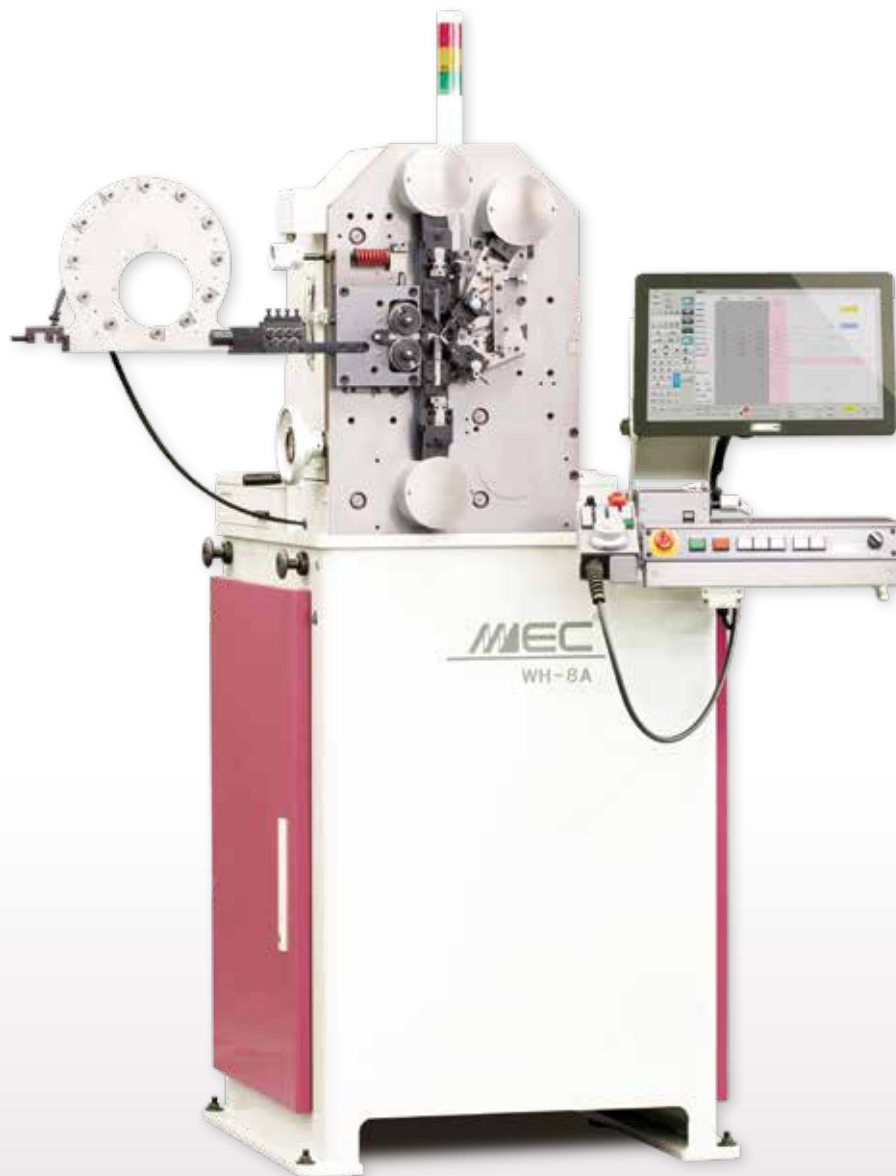
MEC 5-AXIS CNC DUAL-POINT COILING MACHINE

For wire diameters of $\varnothing 0.2 \sim \varnothing 0.8$ mm

The WH-8A has upgraded user-friendly controls, advanced mechanics, and advanced IOT technology while remaining cost effective.

Outer coil diameters up to $\varnothing 28$ mm are available.

MNO2 (MEC New Operation 2) allows the user to easily create programs for multiple shapes, and our AUTOMATIC PROGRAMMING feature reduces setup times.



Compression spring



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Features

5-axis control with an emphasis on operability

- This 5-axis control function gives smooth control of feed, cut, wedge-pitch, push-pitch, and outer coil diameter.
- The crank slide mechanism allows for high-speed production.
- By incorporating the mechanical parts into the machine, you have more control of the coiling space within the mechanical frame.
- Outer coil diameters up to $\varnothing 28$ mm are available.

Support for IOT

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

Optional equipment

- Left-hand coiling unit
- Initial tension servo motor unit -- numerical controlled coiling pin
(Excl. L/R recombination blocks)
- Single-point coiling servo motor unit
- MSD sensor -- contact sensor for free coil length measure
- Rotary cut slide -- elliptical orbit cutting (left- or right-hand)



Dual points area for right-hand coils
Simple & user-friendly

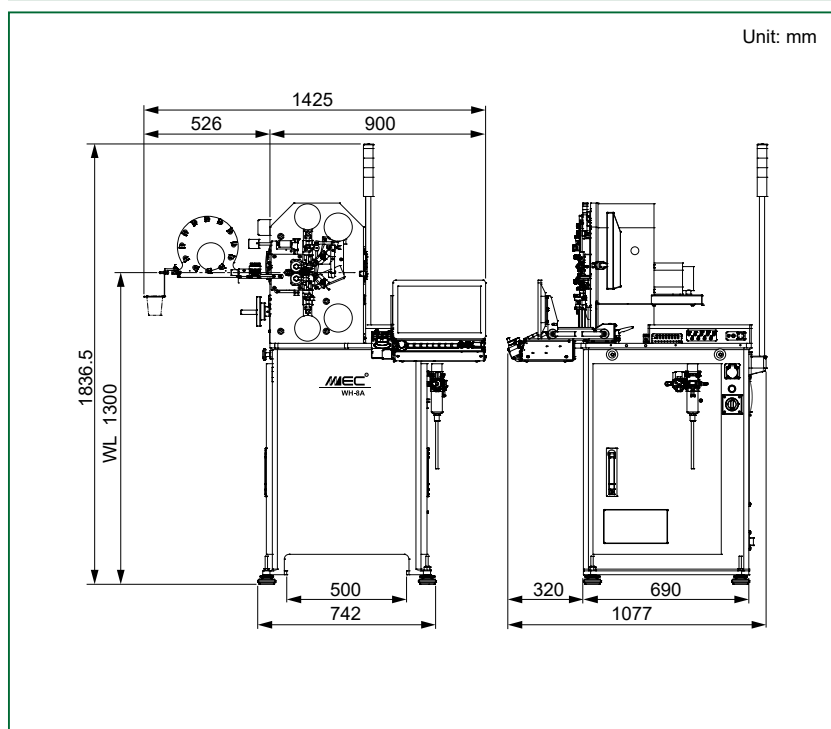
Improved operability with the MNO2 (MEC New Operation 2) programming software

- 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 coil number program allows to easily change feed, pitch, outer coil diameter, and initial tension on the advanced pitch diagram screen, making it easier to adjust basic coils.
- In addition to the automatic coil length correction function, based on the capacitance length measurement method, the multi-functional production manager system makes production easy to control.
- Enables the taper tilt to be managed with a value from 0 to 100. Suitable for load adjustment in addition to shape adjustment, as fine adjustment can be performed in 100 levels.



Program for number of coils (cylindrical coils)
The program makes easy to adjust the basic coils.

Specifications



Specifications are subject to change without notice for product improvement.

Machine name	WH-8A
Wire diameter	$\varnothing 0.2 \sim \varnothing 0.8$ mm
Outer coil diameter	$\varnothing 28$ mm
Index	D/d 4 or more
Feed axis	0.001 mm
Max feed speed	282 m/min
Cut axis*	0.001°
Wedge-pitch axis*	0.0001 mm
Push-pitch axis*	0.0001 mm
Point axis*	0.0001 mm
Solenoid valves	4 pcs (Max 8 pcs)
Max air pressure	0.5 MPa
Power source	3-phase, AC 200V, 15A
Net weight	370 kg
Control device	Windows
Software	MNO2
Display	15.6" Full HD touch screen
External memory	USB Thumb drive
Temperature	5 ~ 40°C

Resolution: Program input unit, which does not represent accuracy.

