

SH-3A

CNC 1POINT COILING MACHINE

SH-3II advanced model has multiple specifications.

SH-3A has 1 point +Torsion attachment + Initial tension servo unit.

It has become simpler and easier with the same operation and functionality.

The control function has also improved greatly.

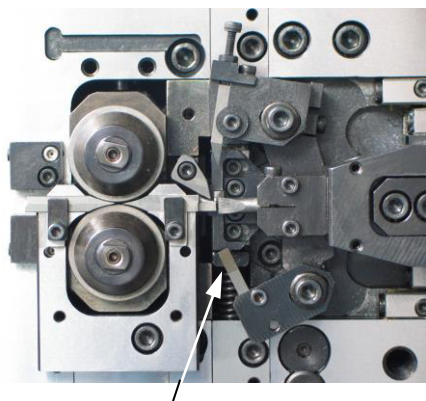
These multiple functions expand the possibilities of machine.



MEC

FEATURES

- Available up to 7-axis to control Feed, Cut, Pitch, Point, Torsion, Initial Tension & Arbor (option).
- Easy setup, shorten setup time and speedup of production for independent Cut axis and Torsion axis.
Available to fit assist tool and cutting tool symmetrically that extends the range of work.
- Easy to put on and take off feed rolls with the taper fixture method that provides preciseness of fitting and excellent repeatability. Furthermore, it can control stability of core and surface, i.e. error less than 3/1000. With ultra fine wire attachment, just 16mm long wire guide can be applied instead of 30mm long standard wire guide. It enables to make coiling with very fine wire such as w.d. 0.05mm.
- For making typical cylindrical spring or taper spring, just enter necessary data. The data will be converted by high precision auto program, and desired spring parts will be formed accordingly. When taper syc. rate is adjusted, taper shape can be changed, e.g. straight, mountain, bowl shape so on. 100-step change is available and load can be adjusted easily.
- Program screen displays all axes stationary and columns that can be scrolled from side to side. Program flow and each axis status, INPUT/OUTPUT, JUMP item and so on can be grasped at one view.
- Big updated of advanced program edit has been realized. With the new navigation system, Programing has become even more easier.
- You can check machine operation by smart phone and PC. Periodic maintenance for preventive maintenance contributes to increased production efficiency.



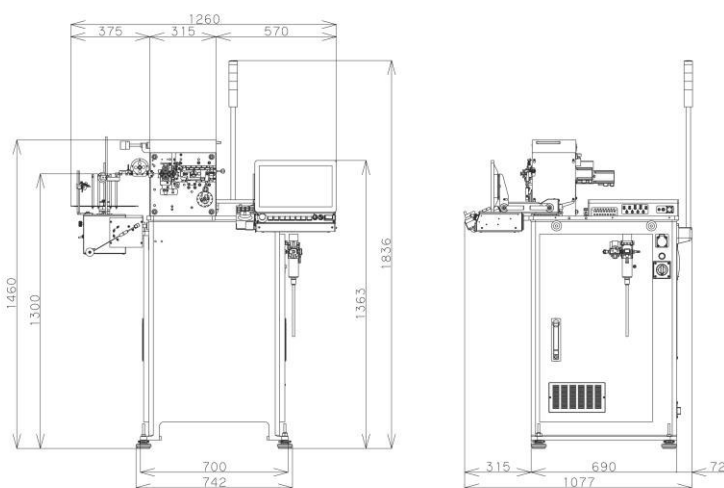
Assist Tool

Applying an assist tool and a cutting tool symmetrically expands work range and gives speedup of production



Torsion spring parts formed on SH-3A

MACHINE SPECIFICATIONS



Standard	WireDia. $\phi 0.08 \sim 0.3\text{mm}$ Outside Dia. $\phi 10\text{mm}$ D/d 4 or more
UltraFineWire A/T	WireDia. $\phi 0.03 \sim 0.08\text{mm}$
Feed Axis	Resolution 0.001mm
Cut Axis	Resolution 0.001°
Pitch Axis	Resolution 0.001mm
Point Axis	Resolution 0.001mm
Torsion A/T Axis	Resolution 0.001°
Initial Tension Axis	Resolution 0.001mm
Arbor Axis (Option)	Resolution 0.001mm
Solenoid Valves	4 pcs (Max 8 pcs available)
Air requirements	Max 0.5 Mpa
Power source	200VAC 3-phase, 15A
Weight	360kg
Control Device	Max. 9-axis controllable by PC OS Windows
Display	15.6" Full HD Touch Panel
External memory	USB thumb drive
Service Temperature	0~40 deg. C (32~104 deg. F)

Specifications are subject to change without notice.

AMADA ORII CO., LTD.

1-17-24 Kamiaoki-Nishi Kawaguchi-shi Saitama 333-0845 Japan
 TEL: (81) 48-256-3511 FAX: (81) 48-256-3595
<http://www.oriimec.co.jp/> e-mail: info-spring@oriimec.co.jp

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