

SH-3AG

**MEC 8-AXIS CNC DUAL-POINT COILING SPRING MACHINE
For Guide Wire Processing**

For wire diameters of $\varnothing 0.08 \sim \varnothing 0.23$ mm

A high-speed, high-quality production system specialized in the processing of guide wires for medical catheters

Achieves a production speed that greatly exceeds conventional coiling production methods.



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processing video](#)

AMADA



Features

Achieving required quality for guide wires

- The newly developed 2-point coiling unit disperses friction during coiling and contributes to stabilization of the initial coil tension.
- Furthermore, compared to the single-point method, the trace of the coil inner diameter is greatly reduced without an arbor.



- The optional rotary discharge shooter PR-2, which receives the long coil wire, suppresses runout when manufacturing long coils, eliminates the problem of discharge methods, and supports high-precision coiling.

Supports high-speed production

This machine automatically adjusts the amount of wire drawn out and feeds it into the machine. As a result, in addition to stable high-quality processing, the production speed increases about 3 times* compared to conventional coiling with the core production method.

* According to our research

Supports automated production

- Compared with the conventional coiling production method, the automatic cutting ability structure after coiling makes continuous production of coils. This saves about 90% of labor in one day's work.
- In addition, the yield is improved because there is no extra waste material generated during production.

Length judgment
by laser sensor

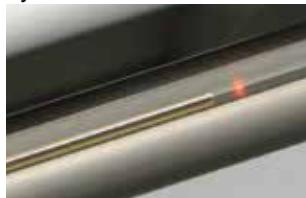
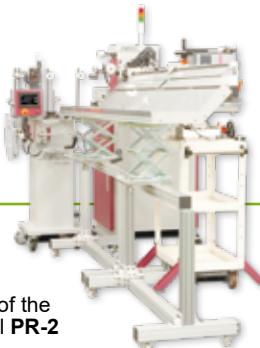


Image of automatic cutting



Comparison with SH-3AG and a coiling machine with a core

| Conditions | SH-3AG | Coiling machine with a core |
|-----------------------------|---------|-----------------------------|
| Continuous production | optimal | unsuitable |
| Diameter adjustment program | with | without |
| Pitch adjustment program | with | without |
| Setup change | simple | complicated |



A view of the optional PR-2

Specifications

Systems:

- SH-3AG--Dual-point coiling machine
- TY-10A --Automatic wire supply stand with tension controlled
- Dedicated cut unit

Options:

- Outer coil diameter measuring unit
- PR-2 Rotary discharge shooter

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

| Machine name | SH-3AG |
|------------------|----------------------------|
| Max air pressure | 0.5 MPa |
| Power source | 3-phase, AC 200V, 15A |
| Net weight | 380 kg |
| Control device | Windows |
| Display | 15.6" Full HD touch screen |
| External memory | USB Thumb drive |
| Temperature | 5 ~ 40°C |

