

SH-3AG

MEC

2-Point Coiling Spring Machine for Guide Wire Processing

For wire diameters of $\varnothing 0.08 \sim \varnothing 0.23$ mm / $\varnothing 0.0031" \sim \varnothing 0.0078"$

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



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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 1-point method, the trace of the coil inner diameter is greatly reduced without an arbor.



The optional rotary discharge shooter **PR-1**, 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 enables 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 core

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

Specifications

Systems: **SH-3AG** 2-point coiling machine
TY-10A Automatic wire supply stand with tension controlled
 Dedicated cut unit

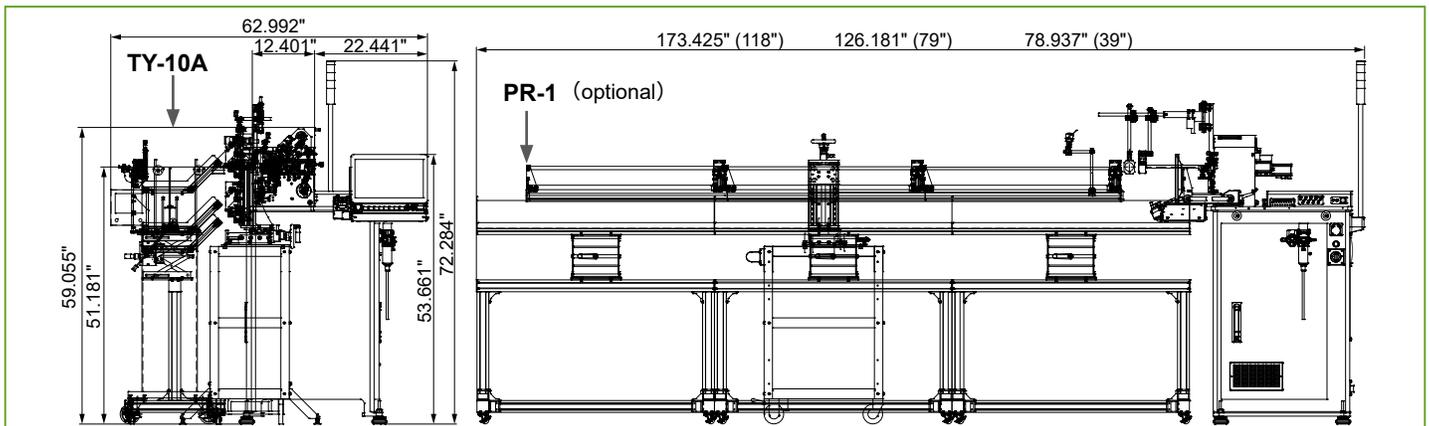
Options: Outer diameter measuring unit
PR-1 Rotary discharge shooter



A view of the optional PR-1

Machine name	SH-3AG	Machine name	SH-3AG	Machine name	SH-3AG
Wire diameter	ø0.08 ~ ø0.23 mm (ø0.0031" ~ ø0.0078")	Torsion attach axis*	0.001°	Air pressure	Max 0.5 MPa
Outer diameter	Max ø10 mm (ø0.3937")	1st point axis*	0.001 mm (0.00004")	Power source	3-phase, AC 200V, 15A
Spring index	D/d 4 or more	2nd point axis*	0.001°	Net weight	838 lbs
Feed axis	0.0001 mm (0.000004")	Initial tension axis*	0.001°	Control device	Windows
Feed speed	Max 278.87 ft/min	Arbor axis*	0.001 mm (0.00004")	Display	15.6" Full HD touch screen
Cut axis*	0.001°	Solenoid valves	8 pcs	External memory	USB Thumb drive
				Temperature	5 ~ 40°C (41 ~ 104°F)

*Resolution: It is a program input unit and does not represent accuracy. Specifications are subject to change without notice.



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Inquiry

