FILTER SOLUTION

Design, Supply & Support

One Stop Solution to your Filters Production

PLM-TH

6-Axis CNC Spring Coiling Machine



Watch the machine in operation

Wire to compression springs

For filter manufacturing and other industrial spring projects

Product Name	PLM-TH
Number of CNC Axes	6
Wire Diameter	1.0–4.5 mm
Max. Spring Outside Diameter	65 mm
Max. Listed Production Rate	Up to 180 pcs/min*
Power Supply	Three-phase 380 V
Machine Weight	1200 kg
Machine Dimensions	1700 × 1200 × 1900 mm
Outside-diameter Servo (1)	1.5 kW
Outside-diameter Servo (2)	1.5 kW
Cutting Servo (1)	1.2 kW
Cutting Servo (2)	1.2 kW
Wire-feed Servo	5.5 kW
Pitch-axis Servo	0.75 kW

Applications

Produce coil springs for selected spin-on oil filter designs and other industrial compression-spring applications, including automotive components, machinery, appliances and hardware.

Confirm suitability from the wire material, spring drawing, required spring characteristics and tooling.

* Listed maximum rate. Actual output depends on spring design, wire material and setup; confirm using the specified sample. Published limits do not confirm every wire-and-spring combination.

Six-axis CNC configuration
Servo axes cover wire feeding, pitch control, outside-diameter adjustment and cutting.

Wire diameter range
Listed 1.0–4.5 mm range. Match the wire grade and tooling to the intended spring.

Spring outside diameter
Maximum listed OD: 65 mm. Confirm the specified spring design and operating setup.

Part-specific selection
Review drawings and samples for spring geometry, end requirements, tooling and target output.

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