

CNC Spring Forming Machine

This CNC spring forming machine is designed for manufacturing a variety of springs with precision. Its multi-axis control system allows for complex forming operations, ensuring high accuracy and repeatability.



Overview

Precision CNC Spring Forming Machine

The CNC-L214 is a high-performance computer-controlled machine designed for complex spring and wire forming operations. It features a multi-axis control system with imported servo motors, allowing for synchronous or independent motor operation. Equipped with advanced detection systems and automatic lubrication, this machine ensures high-speed, reliable production for a wide variety of spring types, including steel thread spiral sleeves, torsion springs, and complex shaped forms.

Technical Specifications

Molding Specifications

14 M

Max Molding Size

60 mm

Max Outside Diameter

Performance Metrics

Parameter	Value
Max Wire Feed Speed	0-110 m/min
Send Line Command Value	$\pm 0.01 - \pm 9999.99$
CAM Command Value	$\pm 0.10^\circ - \pm 359.90^\circ$
CAM Transmission Speed	1 – 60 RPM

Servo Motor Configuration

- Wire feed servomotor: 2.7KW
- CAM servomotor: 2.7KW
- Core turning servomotor: 750W, 400W, 400W

Physical Dimensions

Physical Specs

800 Kg

Weight

Machine Dimensions

1055 x 560 x 1540 mm

Features

Compatible Spring Types

Steel Thread Spiral Sleeve • Double Torsion Spring • Straight Spring • Pagoda Spring • Tension Spring • Rectangular Spring • Wire Molding

Machine Capabilities

Automatic Lubrication, Precision Detection System, Real-time Diameter Correction, Auto-Stop on Wire Breakage, Multi-Axis Synchronous Control