

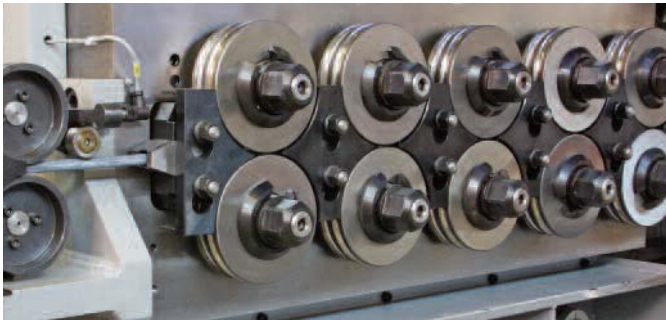
Electronic Spring Coiling Machine for the Production of Compression Springs



FSE 143

FSE 143

▼ Powerful infeed unit with high feeding force for tight coiling ratios



▼ Rigid coiling unit with separately programmable shape slide (top and bottom)



Our Offer - Your Benefit

- Rigidity ensures precision for years
- Consequent optimization of costs per unit
- Extensive control software with graphic programming
- Low-maintenance structure

Design Features

Machine Structure

- Auxiliary feed for drawing in the start of the wire
- High-precision feed with up to 5 pairs of feed rollers and programmable pneumatic roller contact pressure
- Programmable mandrel height adjustment, programmable mandrel movement available as an option
- Programmable parallel pitch, vertical pitch available as an option
- Rigid 2-finger coiling unit with shape slides which can be programmed separately from each other
- The individually programmable shape slides enable easy bending to provide the initial coiling
- Maximum upgrade level: 8 CNC axes
- Torsion spring device (optional)

Cutting System

- Robust cutting unit for right-handed straight cut
- Hydraulic mandrel clamping for high cutting stability
- Torsion cut optionally available

Software

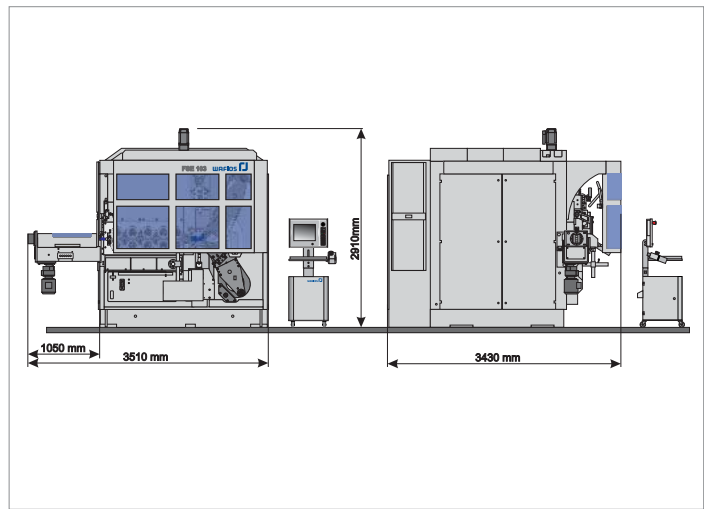
- User-friendly programming of complicated spring geometries and CNC processes thanks to the tried and tested WAFIOS WPS 3 programming system
- Simple, program-assisted tool configuration
- Short setup times thanks to simplified input masks

Reliability and Quality

- Safety sensors and automatic shut-off sensors
- Camera system for spring measurement (option)



Technical Data	FSE 143
Wire dia. (Rm 1,800 N/mm ²)	6.1 - 14.0 mm
Wire dia. (Rm 1,400 N/mm ²)	6.1 - 16.0 mm
Spring dia.	240 mm
Feed speed (max.)	70 m/min.
Springs, pcs/min (max.)	50
Dimensions l x w x h mm	3,200 x 3,500 x 2,700
Weight	ca. 18,000 kg



WAFIOS Machinery Corp.
 27 Northeast Industrial Road
 Branford, CT 06405 USA
 Phone: (203) 481-5555
 Fax: (203) 481-9854
 sales@wafios.us
 www.wafios.us

Midwest Technical Center
 9830 W. 190th Street, Unit D
 Mokena, IL 60448 USA

Precision Machinery for Wire and Tube