Torsion Spring Coiling Machine for the Production of Torsion Springs and Copper Coils
Design Features

Machine Structure
- Slide feed with linear motor
- Pneumatic clamping of feed rollers, with individual adjustment
- Horizontal and vertical straightener
- New, more powerful coiling gear drive
- Lateral displacement of coiling unit by servomotor (option)
- Up to three separate, servomotor-driven control shafts
- Bending slides and tools from FTU predecessor models can be used
- Completely revised machine design
- Optional roller feed, slides, rotary units, device for setting spring legs upright and sorting unit

Control
- New user interface WAFIOS WPS 3.2 EasyCam
- High operating convenience due to clear and simple menu navigation
- Programming of production sequences by means of electronic cam disks

Our Accomplishments for your Benefit
- Considerably increased output optimizes unit costs, especially in large batch productions
- Highest quality and repeat accuracy due to optimized, robust machine concept
- More flexible application possibilities and shorter tooling times with WAFIOS WPS 3.2 EasyCam
- High compatibility with pre-existing sets of tools from the FTU series
- In combination with insulation stripping device, machine can be used for the production of copper coils (option)
Powerful, Robust and Profitable –
WAFIOS FTU 1.5 CNC Torsion Spring Coiling Machine

A Power Pack Full of Innovative Technology

Due to the new slide feed and the more powerful coiling gear, the WAFIOS FTU 1.5 CNC torsion spring coiling machine achieves a considerably higher output than the predecessor model. Especially in large batch production, unit costs can be reduced.

Another cost-reducing factor is the compatibility with pre-existing tools from the predecessor model as well as the new and enhanced machine design. The robust machine body ensures a consistently high product quality.

The new WAFIOS Programming System WPS 3.2 EasyCam makes production sequences fast and simple and thus ensures high user-friendliness, short set-up times and flexible application possibilities. One version of the WAFIOS FTU 1.5 includes an insulation stripping device with which the machine can be used for the production of coils made of enamelled copper wire.

Quality
For over a 100 years, the name WAFIOS has represented the highest level of quality expectations, safety standards and German technical innovation related to the engineering of manufacturing systems.

Reliability
Strict quality controls, state-of-the-art production systems and many years of experience guarantee that your investment is in safe hands. Our global service network ensures high availability of WAFIOS machinery.

Efficiency
High production output and a long service life will save money and shorten the amortization time of your investment.
Technical Data | FTU 1.5
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Spring steel wire Ø | 0.2 - 1.0 mm
Enamelled copper wire Ø | 0.3 - 2.0 mm
Max. spring length | 90
Diameter of coiling mandrel = d, max. | 15 mm
Max. length of the circumferential first leg | 50 mm
Max. output, depending on spring shape | 200 springs / min.
Space requirement | 1.95 m x 1.35 m
Weight | 1,200 kg