

# Electronic High-Speed Coiling Machine for the Production of Compression Springs

## Technical Description:

Compression spring coilers from the FUL line are the most efficient WAFIOS machines. The generation of machines with the „+“ in their name is available in two sizes: FUL 26+ and FUL 36+. Not only their standard equipment sets new standards. In addition to the high-speed option, the machines are also available in the *4speed* version. Their water-cooled drive system and an innovative wire slack concept enable maximum feed speeds of up to 600 m/min (FUL 26+).

### Our Accomplishments for your Benefit:

- Highest dynamics due to new, water-cooled drive technology, for an increased output and reduced unit costs
- Pay-off units of the AHT and AHP line with an increased load-bearing capacity and designed for wire feed speeds of up to 600 m/min, safely process wire from coils and from spools.
- The wire slack box compensates fluctuations between the wire coiling machine in start/stop operation and the pay-off unit in continuous operation. The wire enters the connected machine free from tension.
- Innovative and modern machine design with enhanced ergonomics

Technical Data	FUL 26+	FUL 36+
Wire Ø: (RM - N/mm <sup>2</sup> )	0.2–1.6 mm (WM > 4) 2,300 N/mm <sup>2</sup>	0.5–2.8 mm (WM > 4) 2,300 N/mm <sup>2</sup>
Wire Ø: (RM - N/mm <sup>2</sup> )	0.2–1.8 mm (WM > 4) 1,900 N/mm <sup>2</sup>	0.5–3.0 mm (WM > 4) 2,000 N/mm <sup>2</sup>
Wire Ø <i>4speed</i> : (RM - N/mm <sup>2</sup> )	0.5–1.6 mm (WM > 4) 2,300 N/mm <sup>2</sup>	1.0–2.8 mm (WM > 4) 2,000 N/mm <sup>2</sup>
Outer spring Ø:	45 mm	65 mm
Max. feed speed: <i>4speed</i> (Option)	240 m/min 600 m/min	220 m/min 500 m/min
<b>Pay-off</b> Max. height of spools/coiled material Min. inner dia. of coiled material Max. outer bundle Ø Bore hole Ø of wire spools Max. load-bearing capacity	AHT 2 <i>4speed</i> 400 mm 900 mm – 32–85 mm 500 kg	AHP 3 <i>4speed</i> 800 mm 300 mm 1,000/1,300* mm – 1,200/1,300* kg

\* subject to carrier plate (Ø mm)

