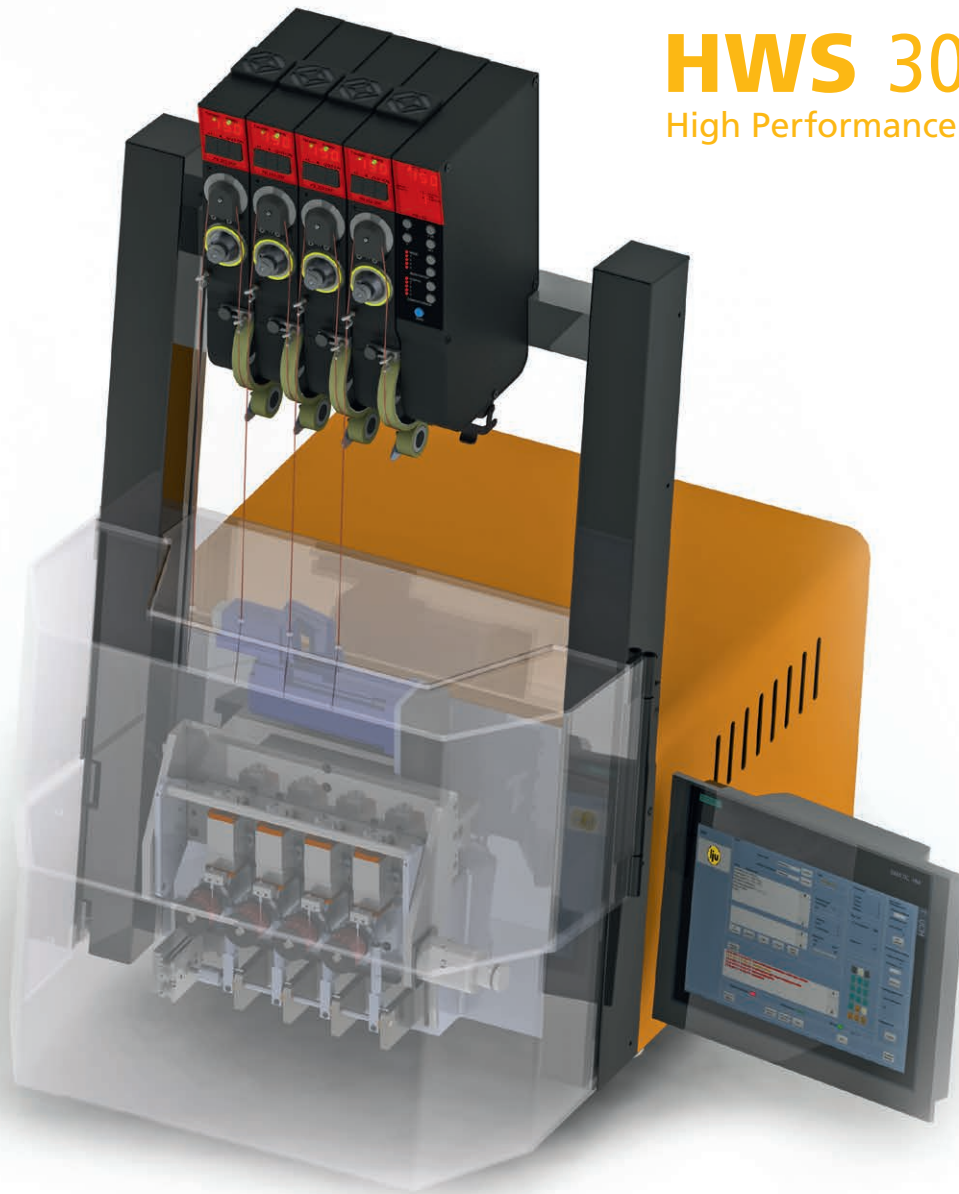


HWS 3000 S2/S4 A3

High Performance Winding System



Innovative Automation.

The space-saving winding machine

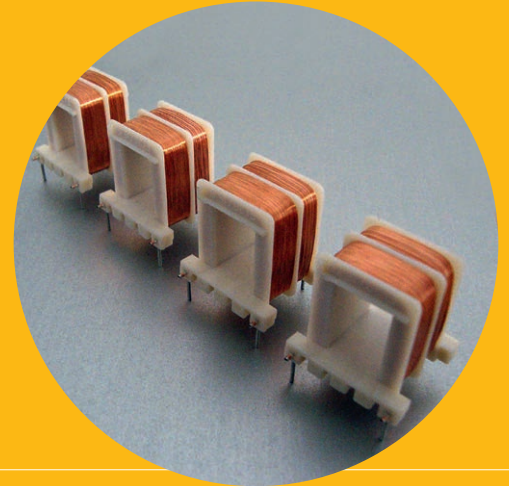
fast, versatile and economically

We offer

- Fully and semi automatable
- Flexible deployment
- Available with shuttle or robot transfer, palletizing possible
- State-of-the-art CNC Technology
- Operation and programming through touch screen
- Minimal floor space size required

HWS 3000 can be flexibly extended by additional devices

- Custom made tools
- Wire insulation stripping device
- Different wire guide systems – Cutting and scissor systems to cut wires
- Electronic wire tension control systems



Technical Data

Winding spindles:	selective 2 up to 4
Wire diameter standard:	up to 0,6 mm
Feed:	0 – 20 mm/U
Feed resolution, digital:	0,001 mm
Feed speed:	max. 150 mm/s
Feed rate:	250 mm/s
Speed range max.:	18000 U/min
Winding diameter:	two spindles 95 mm / four spindles 50 mm
Winding width:	140 mm
Receiving hole for winding mandrel:	12 mm H6
Rotational direction:	programmable
Power supply:	400 V, 60 Hz
Machine dimensions WxLxH:	900 x 1000 x 1800 mm
Weight:	300 kg
Electronic control:	SPS (Omron) up to 4 Servo - controlled axes for winding spindles and installation systems
Operation and display:	TFT Touch and engine PC Windows Basis
Air pressure:	operating pressure 5 bar

Features

- Including shuttle or robotic transfer. Palletizing
- Highly flexible applications
- Modern control engineering on CNC technology
- Small footprint due to compact design

Accessory

- Wire leader
- free programable electronic tensioner
- Foot switch for a slow speed at open protection, adjustable
- Mandrels

Options

- Axial winding
- Cutting facilities
- Automatic open the protective
- Interfaces: V24 (Rs 232); Ethernet; USB
- Bussystems: Profinet; EtherCAT
- remote maintenance