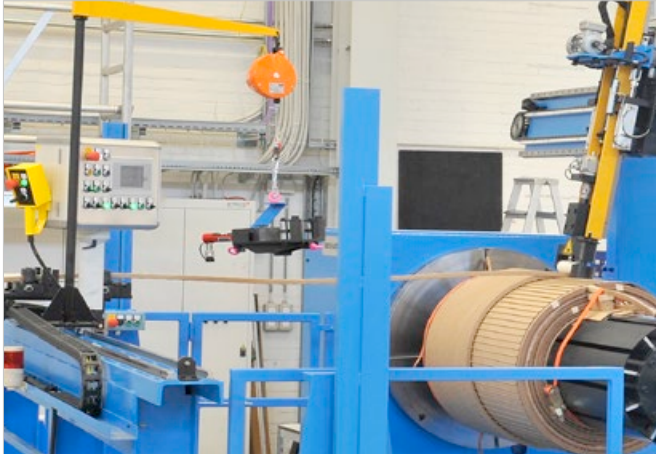


HW horizontal winding machines
HW series with conductor pressing device for compact wound power transformer coils.

Comfortable and simple handling.

HW horizontal winding machines



Our horizontal winding machines of the HW-series are used to wind coils for power transformers. The operator is assisted during the winding process by the machine control system.

Decoiler systems

Depending on the coil design different decoiler solutions are available. From simple single decoilers to multiple decoiler systems with 90° swiveling function.

Multiple plate brake

The paper-insulated conductors are braked separately between polished steel plates. The conductor tension can be pre-selected and adjusted with a potentiometer. The multiple plate brake system can be swiveled by 90° for horizontal or vertical use.

Benefits at a glance

- Constant controlled pressure with conductor pressing device
- Convenient and quick machine set up
- Simple programming, operator guidance on the display
- Swiss quality
- Long machine life time
- Remote support



Conductor pressing device

With the conductor pressing device compact layer wound coils can be produced. To avoid damage to the insulation the pressing forces are kept constant in both directions thanks to a special control system. The pressing force can be adjusted from the main control panel. The accumulating conductors are pressed radially by a pneumatic operated pressure roller. The axial pressure roller is guided by a motor and kept constant.



Winder with head- and tailstock

Head- and tailstock are mounted on a common base frame. To fix the winding mandrel a sturdy winding axle with face plate as well as a lateral adjustable tailstock with center sleeve and rotating cone is provided.



Technical data

		HW 10	HW 20
Winder			
Weight of coil and mandrel	t	10	20
Torque	Nm	max. 20000	max. 30000
Winding revolution	rpm	0–15	0–10
Distance face plate – tailstock	mm	1200–3000	2800–3800
Coil length	mm	2500	3000
Coil diameter	mm	2500	3000
Face plate diameter	mm	1000	1500
Conductor pressing device			
Axial pressing force	N	300–2000	300–2000
Radial pressing force	N	300–1500	350–1500

Available options

Conductor pressing device

Decoiler systems

Operating platform

Expandable mandrels

Bending tools

Decoiler for layer insulation

Accessories according to customer's requirements

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