



WHL wire winding machine Winding machine with layer insulation

The machines are used to wind HV or LV coils made with full width insulation. Depending on customer requirements we offer different machine designs. They can wind round and rectangular wires. Our winding software is running on an industrial PC with Windows 7. Due to our flexible and modular winding system a coil can be easily programmed.

Benefits at a glance

- Constant wire tension due to motor driven and dancer controlled brake rollers
- Independent dancer controlled decoiler(s) for rectangular wire
- Higher filling factor due to an integrated flattening unit for round wire
- Ergonomic design, quick and simple machine set-up
- Automatic calculation of stop points for taps, cooling ducts etc.
- Flexible software, simple programming, operator guidance on the touch screen
- Swiss quality
- Long machine life time
- Remote support

Technical data

		WHLN 450	WHLN 1000
Wire			
Number of round wires	pcs	1-2	1-2
Round wire diameter (Cu)	mm	0.4 - 3.4	0.6 - 4.0
Round wire diameter (AL)	mm	0.5 - 3.4	0.6 - 5.0
Number of rectangular wires	pcs	1	1 - 4
Full width insulation			
Number of decoilers	pcs	1 - 2	1 - 2
Insulation width	mm	110 - 530	220 - 1080
Insulation thickness	mm	0.13 - 0.4	0.13 - 0.4
End filler strip			
Number of strips per side	pcs	1 or 2	1 or 2
Strip thickness	mm	0.2 - 1.0	0.2 - 1.0
Strip width	mm	10 - 40	10 - 40
Winder			
Rotation speed	rpm	0 - 800	0 - 350
Winding length	mm	450	1000
Coil			
Coil length	mm	530	1080
Coil diameter	mm	450	700
Weight of coil	kg	250	1000

Available options

Flattening unit for round wire
Second overhead round wire decoiler
Decoiler(s) for rectangular wire
Motorized slidable tailstock
Winding mandrels
Customized solutions on request

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