




Automatic Winding Machine WM 5100

 Made in Germany

Designed for use in series production and rewinding of electric motors and coils

- shortest setup times
- very simple data entry
- optimized ergonomic handling
- wide range of winding possibilities

Technical Data Automatic Winding Machine WM 5100

Performance data

- Winding speed 10 – 100 min⁻¹ infinitely variable
- Rated winding torque 1000 Nm at speed 10 min⁻¹ to 60 min⁻¹, then decreasing linearly to 1/3
- Peak winding torque 2000 Nm at speed 10 min⁻¹ to 60 min⁻¹, then decreasing linearly to 1/3

Working range

- for IEC frame sizes 56 - 400

Coil dimensions

- Coil-Ø 1450 mm max.
- Enveloping circle 1900 mm max. outer former edge
- Layering width 540 mm

Winding wire

- No. of parallel wires 50 wires 1.32 mm Ø at 1450 mm winding diameter
- Wire entry height 1.000 mm

Machine dimensions

- Width 3100 mm
+ area for wire guide, wire monitoring and de-reeling device
- Depth 1560 mm
- Height 2280 mm
- Weight approx. 1400 kg

Power supply

- Connection voltage 380 V- 480 V three-phase, selectable in 20 V steps, 50/60 Hz
- Connection power 9 kVA

Controls

- General Integrated graphical winding machine control, built-in flash fixed storage device, TFT-display, keyboard nomenclature according to country, programs for standard formers pre-stored in software, data base for motor data, backup on USB-stick, easy graphical creation of custom former shapes and special programs without programming knowledge, feasibility check of data entries
- Number of winding counters unlimited
- Number of turns 0 - 99999
- Braking fully automatic
- Wire guide depending on wire diameter

Special accessories

- Device for insulation sleeving insertion
- Individual wire monitoring for any number of parallel wires
- Adapter mandrels WD10 and formers 3/12 for the smallest motor coils
- Three-slot-formers 3/16
- Four-slot-formers 4/11 and 4/24
- Six-slot-formers 6/24
- Concentric formers for lap winding in different width
- Reinforced adapter mandrels for winding without requiring front support
- Winding fixture for rectangular and diamond shape windings with standard formers
- Centric adjustable fixture for rectangular windings with 6 slot formers 6/25 without requiring front support
- Adjustable former for DC-coils with built-in layer-winding program
- Manufacturing of special formers according to drawing or sample
- De-reeling and storage units of various types

Manufacturer

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