


## Automatic Winding Machine WM 3500

 Made in Germany

- Specially designed for the production of servo motors and extra-low voltage motors (24V / 48V three-phase current)
- Suitable for small winding diameters with many parallel wires

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

# Technical Data Automatic Winding Machine WM 3500

## Performance data

- Winding speed ..... 20 – 400 min<sup>-1</sup> infinitely variable
- Rated winding torque ..... 185 Nm at speed 20 min<sup>-1</sup> to 140 min<sup>-1</sup>, then decreasing linearly to 1/3
- Peak winding torque ..... 340 Nm at speed 20 min<sup>-1</sup> to 140 min<sup>-1</sup>, then decreasing linearly to 1/3

## Working range

- for IEC frame sizes ..... 56 - 225

## Coil dimensions

- Coil-Ø ..... 700 mm max.
- Enveloping circle ..... 710 mm max. outer former edge
- Layering width ..... 400 mm

## Winding wire

- No. of parallel wires ..... 20 wires 1.32 mm Ø at 700 mm winding diameter
- Wire entry height ..... 1.000 mm

## Machine dimensions

- Width ..... 1600 mm  
+ area for wire guide, wire monitoring and de-reeling device
- Depth ..... 1200 mm
- Height ..... 1490 mm
- Height with open cover ..... 2400 mm
- Weight ..... approx. 515 kg

## Power supply

- Connection voltage ..... 380 V- 480 V three-phase, selectable in 20 V steps, 50/60 Hz
- Connection power ..... 7 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

- Automatic opening of the protective cover (manual closing)
- 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
- Reinforced adapter mandrels for winding without requiring front support
- Manufacturing of special formers according to drawing or sample
- De-reeling and storage units of various types

## Manufacturer

**SCHLEICH**  Schleich GmbH  
An der Schleuse 11  
58675 Hemer  
Telefon +49 (0) 2372-9498-0  
info@schleich.com  
www.schleich.com

Advanced Test Technologies

## General distribution

**scheiing**  
elektro-technik

F. W. Scheiing KG  
Beratgerstraße 32  
44149 Dortmund  
Telefon +49 (0) 231-958062-0  
info@scheiing.com  
www.scheiing.com