

MESSBOI 100 LASER

Length measuring device with contactless length measuring

Contactless
length measuring



Fig. 1 MESSBOI 100 LASER

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- **Laser length measuring device for winding material-Ø max. 100 mm**

Functionality:

Contactless length measuring device with roller guides working as per the laser-doppler principle, certified as per MID. Specially developed device for installation in length measuring lines which require calibration.

Technical data	MESSBOI 100 LASER
Part No.	0495.000
Measuring range (differing with conformity assessment)	4 - 100 mm
Speed	max. 5000 m / min
Electrical supply	110 - 240 V / 50 Hz
L x W x H	approx. 1100 x 550 x 450 mm
Weight	approx. 100 kg

Basic equipment:

- Basic unit with manual height adjustment
- Basic unit with motorized height adjustment
- Inlet and outlet rollers of adjustable height and centrally adjustable width
- Very high reproducibility - better 0.02%
- Very high absolute accuracy - better 0.05%
- No slippage - even at very high speeds and accelerations
- No wear or abrasion
- Multi-function display
- Interface module for storing the data
- Two potential-free electrical contacts for controlling the rapid / creep speed function of a controllable winding drive or a light-emitting indicator

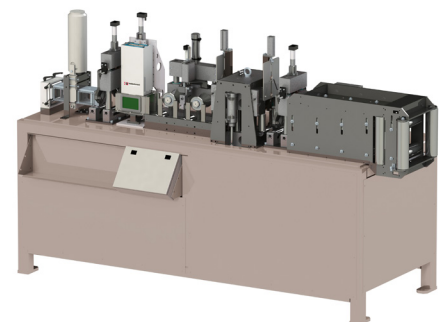


Fig. 2 Example MESSBOI LASER, length measuring unit with guides and roller feed for semi-automatic infeed

Supplementary equipment:

- **Laser protective housing** mounted on length measuring device
- **Laser measuring head with integrated direction detection**
- **Roller guide** vertically and horizontally adjustable
- **Inlet and outlet roller cages**
- **Diameter detection mounted on the MESSBOI 100 LASER** to determine the winding material diameter
- **Conformity assessment / MID (formerly first calibration)** of the length measuring device according module F with additional inlet and outlet roller cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery.
 - **Automatic storage** of the cutting data
 - **Label printer** with interface to the preselection counter
 - **Holder** for label printer