

Length measuring units

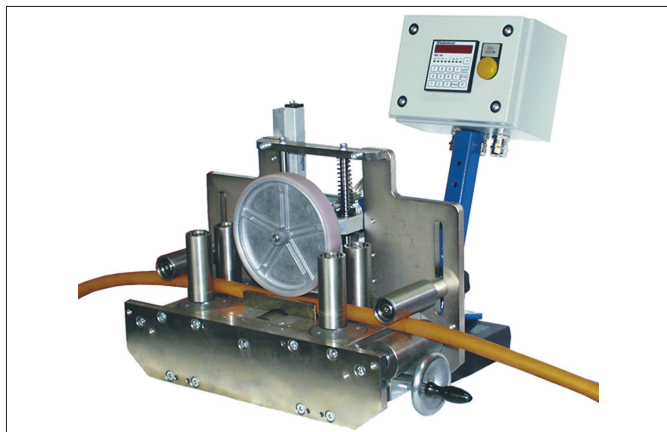


Fig. 1 MESSBOI 80 with housing

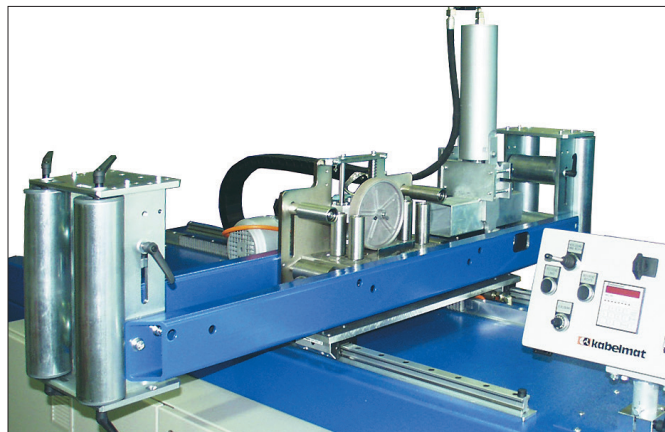


Fig. 2 MESSBOI 80 installed in machine with hydraulic cutter and roller cages

This measuring unit consists of a solid carcass equipped with guide rollers to which the measuring device is mounted. Measuring scanning by means of measuring wheel. Calibration of the length measuring device with additional inlet and outlet rollers is approved by German Authorities for a period of two years, valid in Germany, for coated round cables with a diameter from 5 - 50 mm.

Basic equipment

- One set of inlet and outlet rollers which are height adjustable and centrally width adjustable
- mechanical measuring wheel beared on two pillar guides
- measuring wheel bears on the measuring goods by means of its dead load
- measuring wheel axle for installation of rotary pulse encoder with flange RI58

Additional equipment:

- **rotary pulse encoder RI58 500 Imp/per turn**
with two conduits A+B, 24VDC with connecting cable 5 m
Consult us about your special applications.
- **Pre-selection counter ME 40** integrated into the operating panel of the machine
pre-selection counter kabelmat - ME 40 with membrane keyboard.
Two potential free electrical contacts for drive of fast or creep speed function of an adjustable winding drive or a signal lamp. The counter is equipped with membrane keyboard for indicating data.
Monitoring of the calibration speed by means of signal lamp.
Calibration range of the length measuring units with kabelmat pre-selection counter and rotary pulse encoder with additional inlet and outlet roller cages.
- **housing** for pre-selection counter mounted at the length measuring unit (necessary if there is no operating panel)
- **Diameter recognition mounted on the MESSBOI 80** to determine the diameter of winding good
- **Roller cages Ø 80mm**, consisting of inlet and outlet roller cages, including adjustable stainless steel ball bearings. Each roller cage equipped with a roller pair in horizontal and vertical direction. Roller cages are connected by steel rails and are mounted at the length measuring unit. These cages are necessary for calibration of the measuring units.
For other roller cages do not hesitate to contact us.

Technical Details

Material-Ø	1 - 80 mm
Calibration	5 - 50 mm
Measuring wheel	0,5 m
Rotary pulse encoder	500 Imp/Umdr. 24 VDC
Error limit (with additional inlet and outlet rollers) Speed	+/- 0,5 %
Speed Calibration	max. 350 m / min
Counter	max. 250 m / min
L x W x H	9999,999 m
Weight	abt. 510 x 270 x 310 mm
	abt. 23 kg