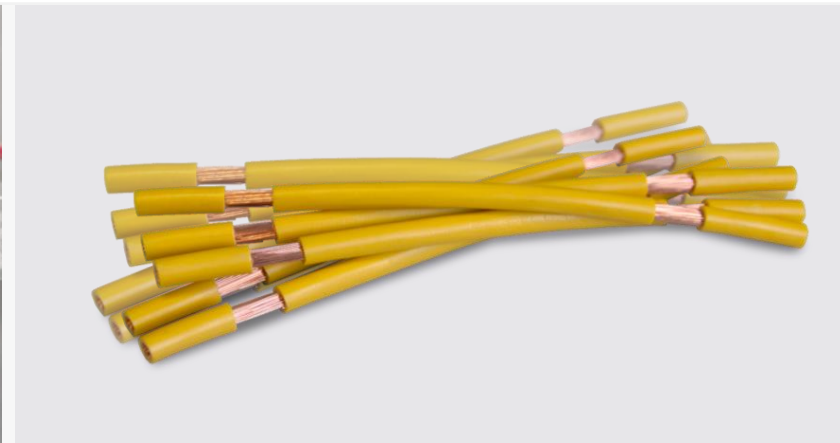# METZNER AM 1000 „CABLE ASSEMBLY MACHINE"
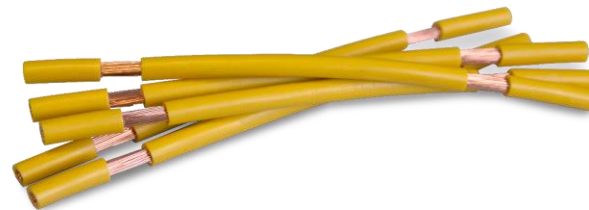
METZNER AM 1000
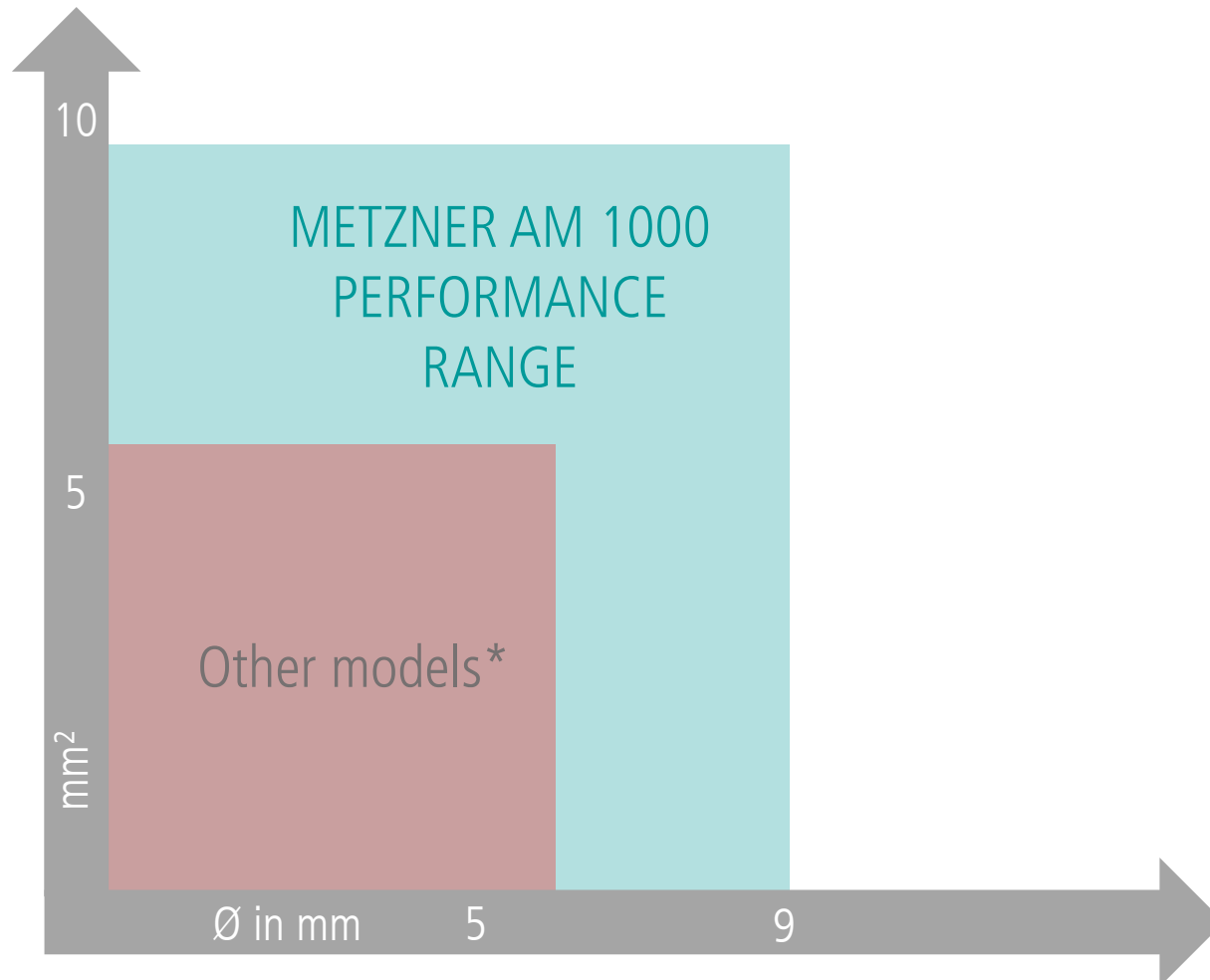## EXCEPTIONALLY POWERFUL IN CUTTING AND DRIVING FORCE

Automatic cable assembly machine for cutting and stripping cables, strands and wires up to 9 mm diameter and up to 6 mm² cable cross section (optional 10 mm²; depending on material).

SUPERIOR PERFORMANCE SPECTRUM

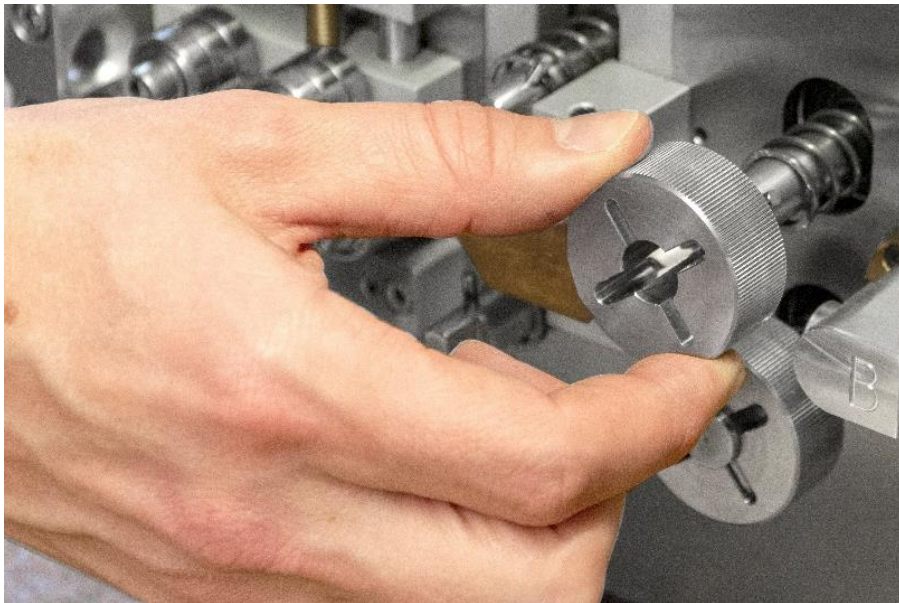## 66% more power in regard to diameter and cross-section

Ready for big tasks
- More power
- More diameter
- More cross section

* e.g. Ecostrip 9380 and Kappa 310

SHORT SET-UP TIME
Through tool-free change

Tool-free change of rollers and guide tube in less than 60 seconds

60"

ESPECIALLY LOW POWER-TO-WEIGHT RATIO

Only 28 kg with power for diameter up to 9 mm & cross-section up to 10 mm²

Metzner

365 mm

575 mm

390 mm

As small as
2 crates of beer
and thereby
approx.
25% lighter*

*Calculated with a standard beer crate, 20x0,5l;17,56kg ; Dimensions: 400x300x290

CONVENIENCE WHICH OTHERS DREAM OF
12" Touchscreen

- Largest display (Ecostrip 9380 only 5.7")
- Most comfortable data entry
- Best readability
- Foldable screen

STANDARD WHAT ELSEWHERE ARE COSTLY OPTIONS

PC including software

- Control of 1 or 2 inkjet printers
- Creation and editing of cable lists
- Interface to the MES system

Ink-Jet printing

Hot stamping

STANDARD WHAT ELSEWHERE ARE COSTLY OPTIONS

Create and edit cable list

STANDARD WHAT ELSEWHERE ARE COSTLY OPTIONS
SOFTWARE - PRINT CONTROL
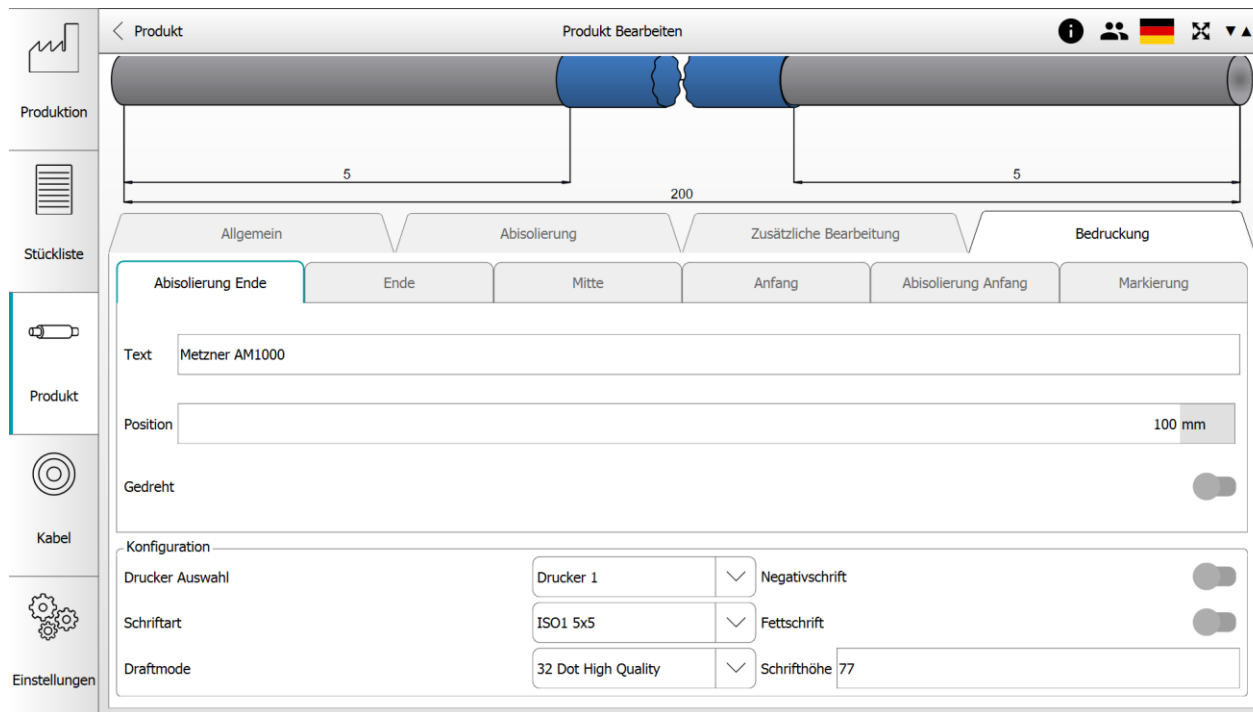
AUTOMATIC PRESSURE CONTROL

- For particularly gentle cable handling
- "soft" for cable transport
- "boost" for cable pull-off

AUTOMATIC DETECTION CABLE END

- Automatic production interruption at cable end
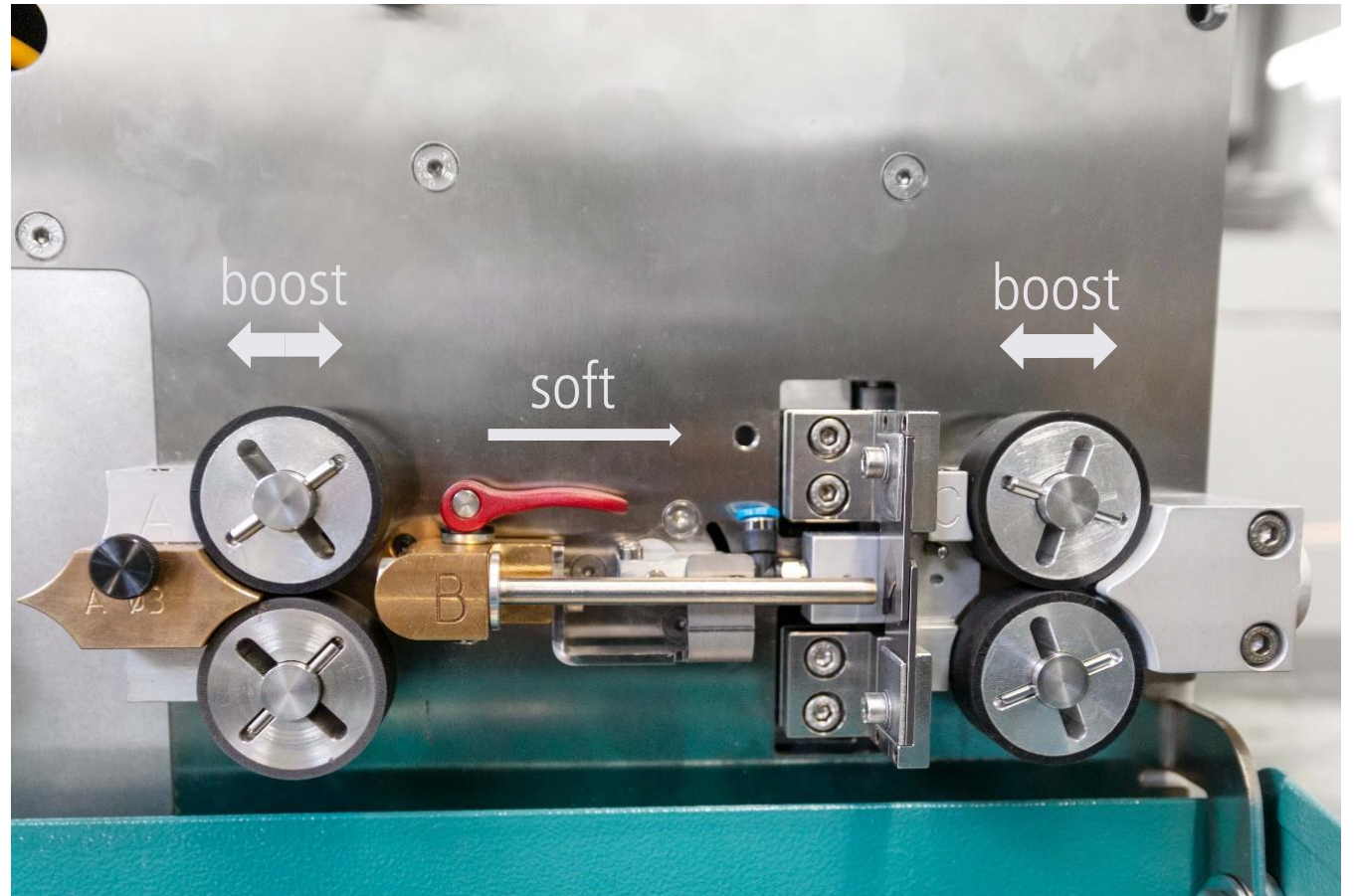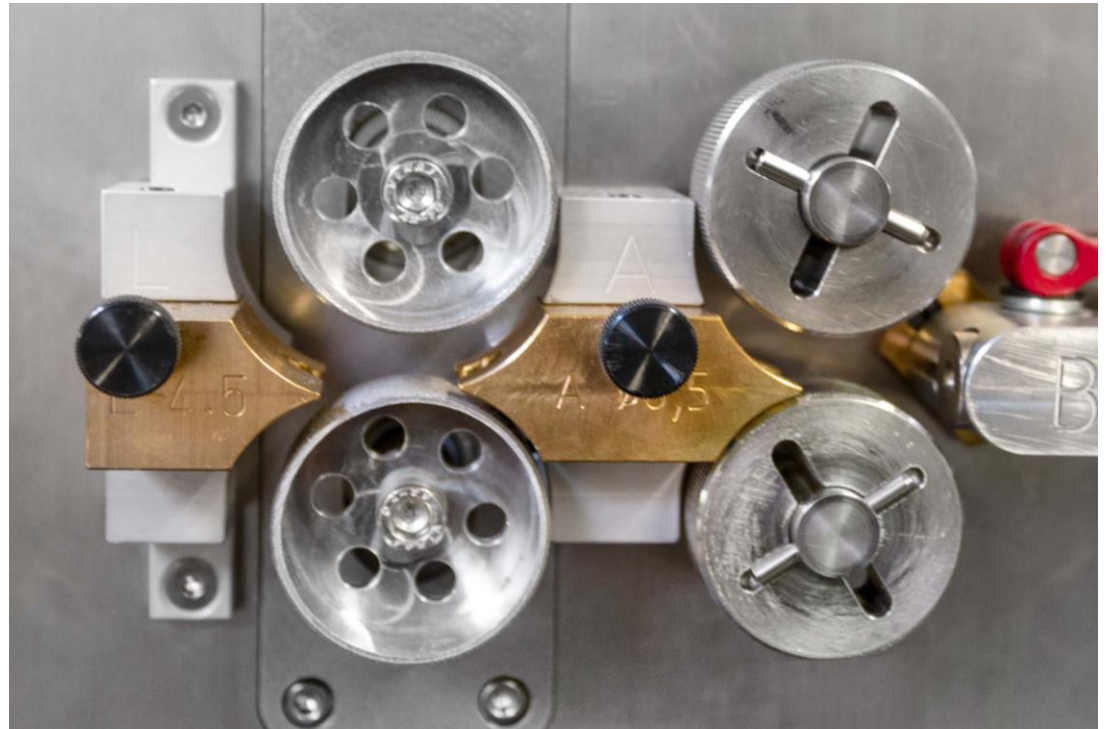- Automatic production restart after cable feed (cable setup process)

LENGTH MEASURING SYSTEM

- In the basic version, the length is reliably determined by the feed motor

- The optional length measuring system provides precise length measurement even if the material "slips" under the rolls during processing

DIRECTORY TAPE

Curved cables become straight

- Cables that are processed from a spool or drum are always curved

- The centrically adjustable straightener straightens these cables -> a great advantage for subsequent processing
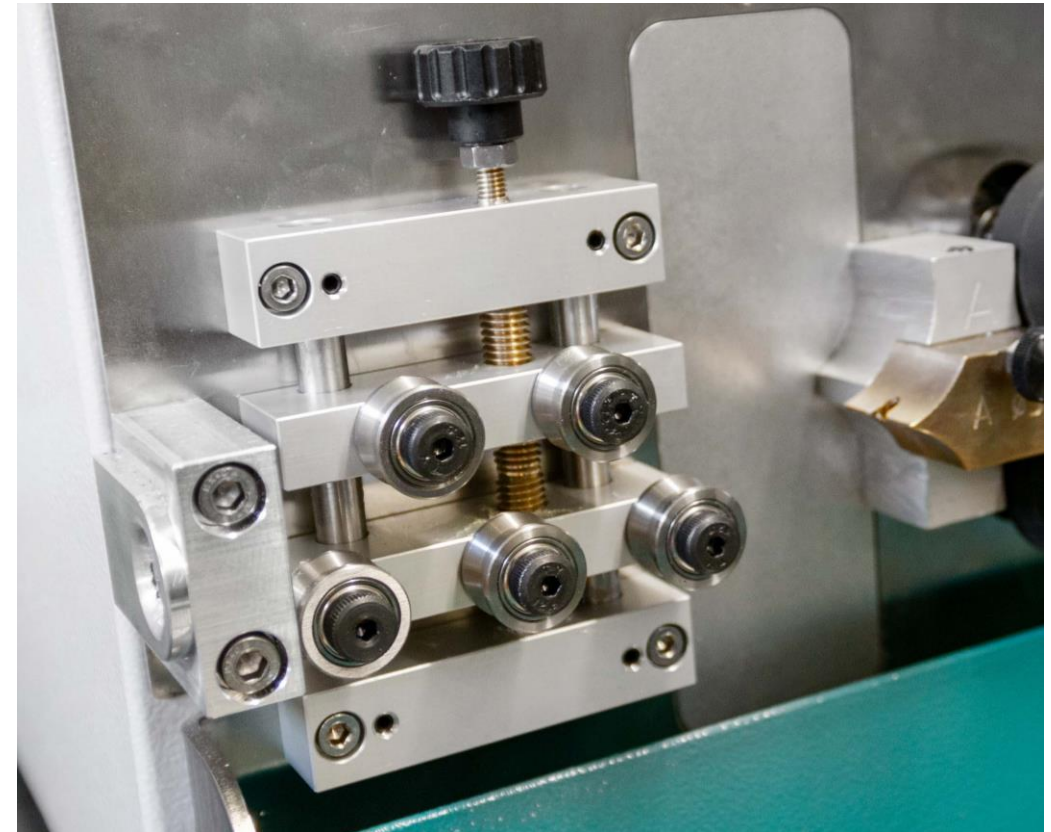
WIDE RANGE OF APPLICATIONS

V-BLADE

For cutting to length
and stripping the cable

RADIUS-V-BLADE

For cutting to length
and stripping the cable

STARTER-KIT

The equipment for a perfect start with the AM 1000

– 1x 313-12397 Guide bushing Ø 2.5 mm "A" inlet
– 1x 203-05018 Swing tube Ø 2 mm "B"
– 1x 313-12221 Guide bushing Ø 2.5 mm "C" outlet

– 1x 313-12395 Guide bushing Ø 4.5 mm "A" inlet
– 1x 203-05020 Swing tube Ø 4 mm "B"
– 1x 313-12222 Guide bushing Ø 4.5 mm "C" outlet

– 1x 313-12394 Guide bushing Ø 6.5 mm "A" inlet
– 1x 203-05022 Swing tube Ø 6 mm "B"
– 1x 313-12197 Guide bushing Ø6.5 mm "C" outlet

– 1x 203-04748 Drive roller set plasma coated
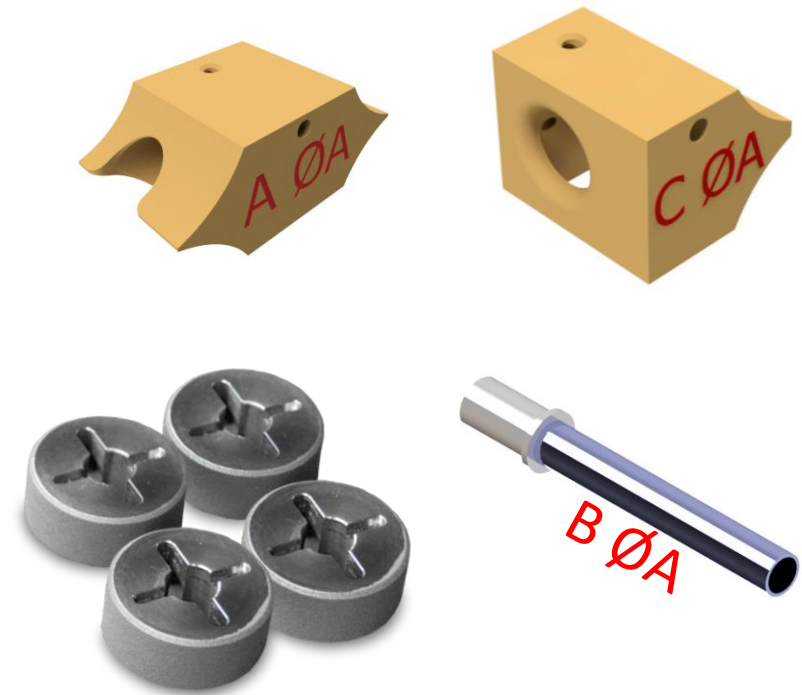
DRIVE ROLLER SET

4x plasma-coated

4x steel knurled fine/coarse

4x rubber elastomer grey ShA 70

4x rubber elastomer PUR black ShA 80

GUIDE BUSHES

Inlet	Article no.	Ø mm
A	313-12397	2,5
A	313-12395	4,5
A	313-12394	6,5
A	313-12393	8,5
A	313-12387	10,5

Outlet	Article no.	Ø mm
C	313-12221	2,5
C	313-12222	4,5
C	313-12197	6,5
C	313-12223	8,5
C	313-12127	10,5

SWING TUBES

Article no.	Ø mm
203-05017	1
203-05018	2
203-05019	3
203-05020	4
203-05021	5
203-05022	6
203-05023	8
203-05024	10
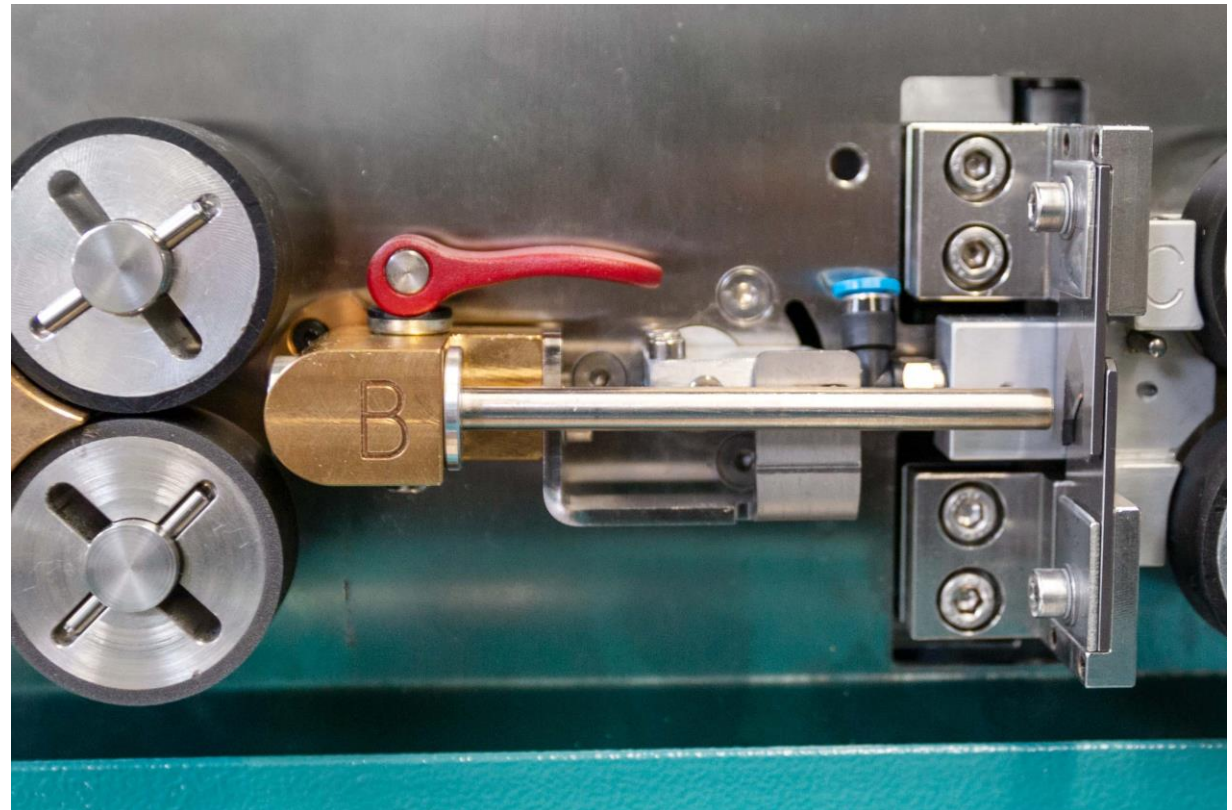
BASIC CONFIGURATION AM 1000

– PC

– 12" Touchscreen (folding screen to the back)

– PLC incl. digital input and digital output, safety card (for emergency stop), analogue output

– 1x 24V power supply unit

– 2x 48V power supply unit

– Switch

– Network interface RJ45

– Connector for external devices:
  – Loop control system (4-point DHS, connection to 12-pin socket)
  – 1x external device (connection to 23-pin socket, without power supply)

– Compressed air connection up to 6 bar

– quick change system for guides and rollers

– (automatic Ø recognition incl. end-of-material recognition) -> not yet implemented

– 230-06899 V-Blade-Set (AM 1000)

– 230-06680 supply unit for compressed air

Metzner

THANK YOU FOR YOUR ATTENTION

More information:

WWW.METZNER.COM

Metzner Maschinenbau GmbH
Messerschmittstr. 30
89231 Neu-Ulm
info@metzner.com