

Multi-ID Core Cutter

UNI 1000

for burr-free cutting of cardboard cores with different diameters on the same cutting mandrel.



➤ Working method of machine:

The tube is fed manually onto the cutting mandrel.

The cutting mandrel's diameter is smaller than the inner diameter of the core and therefore suitable for the whole range of core IDs.

The mandrel fits the whole range of diameters. Tool change is not necessary.

The cutting length is entered at a terminal then the machine is started by a button.

An ultrasonic-sensor detects the tube leading edge. Alternatively, the tube length can be entered manually.

First a trim cut is made, next the core is divided into the corresponding cutting length programmed.

A pusher ejects the separate pieces off the mandrel into a box.

The machine is equipped with:

- Operating Touch Panel.
- Positionable Knife-Holder, incl. circular knife and absorber unit.
- Positionable Axis for Knife-Holder.
- Discharging unit for cut sections.
- Cutting mandrel 35mm or 25mm diameter.
- Safety Devices according CE – conformity.

Technical Data:

* all data depending upon quality and dimension of tube

ID min	appr.	25 or 35 mm
OD max	appr.	180 mm
Wall thickness up to*	appr.	10 mm
Parent tube length	appr.	1035 mm
Cutting length		
min	appr.	3 mm
max	appr.	1020 mm
Last trim min	appr.	12 mm
Cutting accuracy*	appr.	+/- 0.2 mm
Output*	appr.	40 cuts / min 3''ID, cut 20mm wall 2mm
Standard Circular Knife		ASP 100 x 40 x 2 mm
Electrical Installation		400 Volts, 50 Hz 3 phase current with N und PE
Main Drives		
Mandrel and guide rollers		0.75 kW
Positioning device		0.65 kW
Pneumatic Installation		50 NL/min at 6 bar
Standard Painting		
Machine	structure-white	RAL 9003
Housing	structure gentian-blue	RAL 5010
Machine dimensions (LxWxH)	appr.	2,0 x 0,7 x 1,5 m
Net weight	appr.	425 kg

Optional Features:

Knife – Drive 0.18 kW

for wall thicknesses up to 10 mm

Interior Lighting

for constant lighting conditions

Additional Cutting Mandrel

Tool-Set 25/35 mm

MultiCut - Software

for cutting one tube up into 8 different lengths.
Length of the remaining part is indicated.

Brodbeck