

Multi-ID Core Cutter UNI 100 – 1600

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

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

➤ Working method:

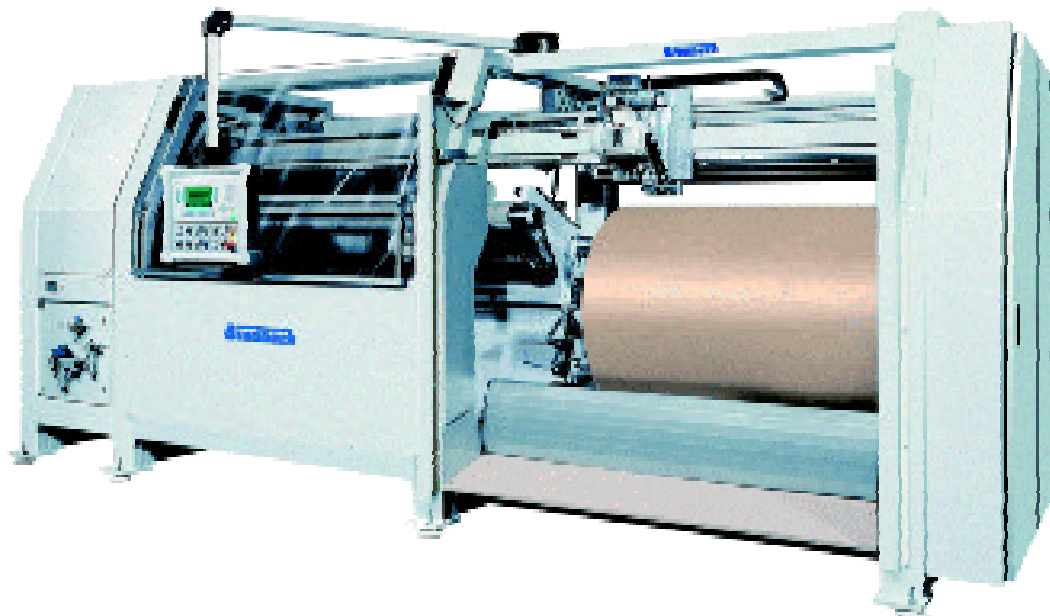
The tube is fed automatically onto the cutting mandrel.

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

An opto-electronic sensor detects the tube leading edge.

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.



The machine is equipped with:

- Operating Terminal
for programming the required cutting length and amount of pieces.
- Auto-scanning off parent core length,
the machine adapts automatically.
- Auto-adjusting guiding rollers.
For cutting the machine adapts to the outside diameter of the core.
- Positionable Knife-Holder
incl. circular knife and absorber unit.
- Driven Knife with speedcontrol,
for cutting also heavy walled cores.
- Jet - Lubrication of knife
for polished cutting surface and cooling.
- Discharging unit for cut sections.
Tilting of narrow cut rings is prevented by a stabilizer.
- Tube feeding system with magazin for ergonomically loading of cores.
- High-adjustment of loading system
by electric motor.
- Cutting mandrel with easy to change nylon-bushes
- Safety Devices according CEE - conformity

Technical Data:

* depending upon quality and wall of core

ID min	appr	150 mm
OD max	appr	1050 mm
Wall thicknesses * with driven knife	appr	3 - 30 mm
Parent tube length	appr	1695 mm
Cutting length	appr	10 - 1650mm
Cutting accuracy *		
up to 10 mm wall	appr	+/- 0,2 mm
more than 10 mm wall	appr	+/- 0,3 mm

Recommended working speed	appr	50 cuts / min 6"ID, cut 20mm wall 5mm
or	appr	30 cuts / min 16"ID, cut 150mm wall 6mm
Tube set-up time for another core diameter	appr	2 – 3 min
Circular knife		HSS 150 x 40 x 3 mm
Electrical installation		400 Volts, 50 Hz 3 phase current with N und PE
Drive of mandrel		4,00 kW
Antrieb Positionierachse		2,50 kW
Drive of guiding rollers		2 x 1,10 kW
Drive of knife		1,10 kW
Knife positioning unit		2,50 kW
Pneumatic installation		120 NL/min at 6 bar
PLC - Control		Siemens S7
Standard Painting		RAL 9003 signal white texture finish
Machine Dimensions (LxWxH) incl. automatic feeding	appr	6,0 x 4,7 x 2,5 m
Net weight	appr	5.600 kg