

Multi-ID Core Cutter

UNI 100-1600

For burr-free cutting of cardboard cores of different Diameters on the same cutting mandrel.

➤ 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 the 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. Alternatively the 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.

The machine is equipped with:

- Operating Terminal for programming the required cutting length and amount of pieces.
- Auto-scanning of the parent core length, the machine adapts automatically.
- 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.
- Cutting mandrel with easy to change nylon-bushes.
- Safety Devices according CEE – conformity.

Technical Data:

* depending upon quality and wall of the core

Core diameter		
ID min	appr.	150 mm
OD max	appr.	1050 mm
Wallthicknesses with driven knife*	appr.	30 mm
Parent tube length	appr.	1695 mm
Cutting length		
min	appr.	10 mm
max	appr.	1650 mm
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 152 mm Ø, cut 20 mm, 5 mm wall
	appr.	30 cuts / min 400 mm Ø, cut 150 mm, 6 mm wall
Circular knife		HSS 150 x 40 x 3 mm
Electrical installation		400 Volt, 50 Hz 3 Phase current with N and PE
Drives		
of mandrel		4,00 kW
of guiding rollers	2x	1,10 kW
of Positioning unit		2,50 kW
of Knife Drive		1,10 kW
Pneumatic Installation		120 NL/min at 6 bar
Standard Painting		
Machine	Signal white texture finish	RAL 9003
Machine Dimensions (LxWxH)	appr.	6,0 x 4,7 x 2,5 m
Net weight	appr.	5.600 kg



Additional Features:

Multi-Cut

Multiple-Lengths – Software

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