

## Multi ID – Paper Core Cutter UNI 55 – 2000

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 of machine:

The tubes are fed 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.

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.
- Positionable Knife-Holder,  
incl. circular knife and absorber unit.
- Driven Knife with speedcontrol  
for cutting also heavy walled cores.
- Positionable Servo Axis for cutting unit
- Auto-scanning off parent core length,  
the machine adapts automatically.
- Discharging unit for cut sections.
- Jet - Lubrication of knife  
for polished cutting surface and cooling.
- Cutting mandrel with OD 68mm  
with easy to change nylon-bushes.
- Safety Devices according CE - conformity

### Technical Data:

\* depending upon quality and wall of core

ID min	appr	70 mm
OD max	appr	550 mm
Wall thickness with driven knife	appr	25 mm
Parent tube length	appr	2090 mm
Cutting length		
max	appr	2050 mm
min	appr	5 mm
Set-Up time to another OD		
in semi-automatic version	appr	0 min
in full -automatic version	appr	1 - 2 min
Cutting accuracy *		
up to 10 mm wall	appr	+/- 0,2 mm
more than 10 mm wall	appr	+/- 0,3 mm

Output (depending upon quality and wall of core)	appr	50 cuts / min 6´´ID, cut 20mm wall 5mm
or	appr	30 cuts / min 16´´ID, cut 150mm wall 6mm
Standard Circular Knife		HSS 150 x 40 x 3 mm
PLC		Siemens S 7
Electrical Installation		400 Volts, 50 Hz 3 phase current with N und PE
Main Drive for mandrel and guide rollers		4,00 kW
Positioning Device		0,65 kW
Knife Drive		0,75 kW
servodrive for cutting unit		4,50 kVA
Pneumatic Installation		100 NL/min at 6 bar
Standard Painting		RAL 9003 signal white texture finish
Machine dimensions (LxWxH)	appr	5,7 x 2,8 x 2,3 m
Net weight	appr	4.400 kg

## Feeding Options:

### **Feeding System RB 2000 with magazin and conveyor**

Automatic tube feeding from a magazin with vertical conveyor.  
Complete bundles of cores could be place in the magazin.

consisting of:

- Tube magazin to take complete bundles of cores.
- Vertical conveyor system from the magazin to the feeding prism.  
The complete system works with noise-reduction..
- Sorting device for first and final trim cut.
- Automatic height – adjustment for feeding prism  
by simple OD programming.
- CEE - Safety devices

### **Belt Feeding System BM 2000 with conveyor**

- Tube feeding system with magazin  
for ergonomically loading of cores.
- High-adjustment of loading system by electric motor.
- CEE - Safety devices



alternatively:

### **Safety Kit for UNI 45-2000 semiautomatic**

When using the machine without feeding system  
corresponding safety guards are required