

## Multi-ID Core Cutter

# UNI 55-2300A

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.

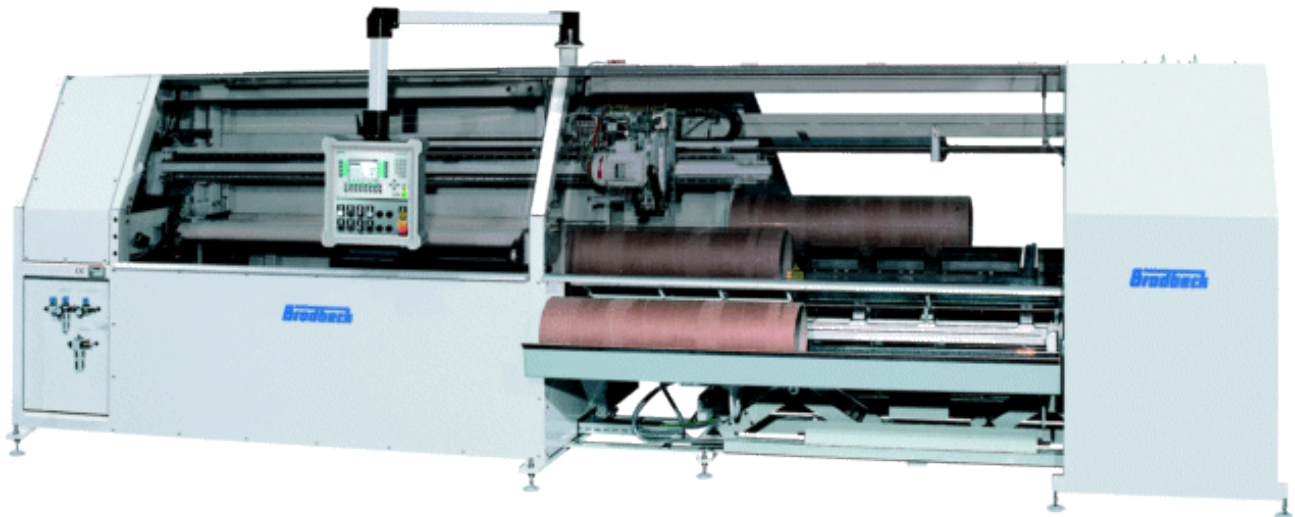
The machine is equipped with:

- 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 of wall thickness, to prevent knife crashes
- Discharging unit for cut sections.
- Jet - Lubrication of knife for polished cutting surface and cooling.
- Cutting mandrel with OD 119 mm 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	2390 mm
Cutting length		
min	appr	5 mm
max	appr	2350 mm
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
Set-Up time to another OD in full -automatic version	appr	3 min
Standard Circular Knife		HSS 150 x 40 x 3 mm
PLC		Siemens S7
Electrical Installation		400 Volts, 50 Hz 3 phase current with N und PE
Main Drives		
Mandrel and guide rollers		4,00 kW
Knife Drive		0,75 kW
Servodrive for cutting unit		4,50 kVA
Pneumatic Installation		100 NL/min at 6 bar
Standard Painting		
Machine signal white texture finish		RAL 9003
Machine dimensions (LxWxH)	appr	5,7 x 2,8 x 2,3 m
Net weight	appr	4.400 kg



## Additional Options:

### Belt Feeding System BM 2000 with conveyor

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

*Alternatively:*

### Safety Kit for UNI 55-2000 semiautomatic

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

- Schwenkbare Schutzhaube, die den Arbeitsbereich der Hülsenzuführung absichert.
- Frontverkleidung zur Abdeckung der Messereinheit und sonstiger beweglichen Teil.
- Ableitblech für Hülsenabschnitte

## Venturi-Core-Manipulator for der UNI-series

For feeding large and heavy cores for the  
UNI-series UNI 55 / UNI 75 / UNI 100  
in semiautomatic design  
lends itself to a Manipulator system.

The cores are delivered vertically standing on a pallet.  
With the help of a gripping system the cores can be grabbed on the outer diameter.  
The core can now be lifted off the pallet and simply swivel  
from the vertical to the horizontal

The operator guides the core onto the cutting mandrel  
releases the suction pad and pushes the core manually to the feed position  
of the machine

### Technical Data:

OD max	appr.	180 - 750 mm
Core Length	appr.	800 - 2.395 mm
Core Weight max.	appr.	100 kg
Essential Height	appr.	4.500 mm
Pneumatic Installation	appr.	40 NL/Cycle
Change Adapter For various ODs		inclusive

### Licence: **MULTI-CUT**

#### **Multiple-Lengths - Software**

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