

## Paper-Corecutter

# CombiCUT A

for burr-free cutting of paper tubes and cores made of soft plastic material.

➤ Working method:

The core is pushed into the machine manually

By the driving belt installed below the cutting head, the tube is powered to rotate.

In the automatic version of the CombiCUT there is a PLC-controlled drive included. That enables the operator to simple program the cutting length. In combination with the graphic display the ease-of-use therefore is highly improved.

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

Cutting of heavy walled cores is assured by the integrated powered knife-drive. The cut-off tubes remain on the V-prism for comfortable removal.

The machine is equipped with:

- Siemens Operating Touch Panel.
- Tube Lifting Rollers to simplify the feeding and positioning of the cores.
- Pneumo-hydraulic controlled knife penetration  
The knife penetrates the core at constant speed.  
Cutting quality is improved significant.
- Powered knife-drive by e-motor for cutting heavy walled cores.
- Knife lubrication for smoth cutting surfaces.  
In addition paper dust is reduced.
- Toolset for one ID of cores.
- CEE – Safety Devices



## Technical Data:

\* depending on quality and wall

Core diameter		
ID min	approx.	50 mm
OD max	approx.	230 mm
Wall thickness*	approx.	18 mm
Parent Core Length	approx.	2550 mm
Cutting Length		
min	approx.	2 mm
max	approx.	2500 mm
Cutting Tolerances*	approx.	+/- 0,2 mm
Cutting Speed*	approx.	25 cuts / min ID=76mm, Lc=50mm, Wall=6 mm
Circular Knife	HSS 120 x 40 x 2 mm	
Electrical Connection	400 Volt, 50 Hz 3 Phase AC with N and PE	
Main Drive		
for Tube Rotation		0,75 kW
for knife Drive		0,75 kW
for Positioning Axes		0,75 kW
Pneumatical Connection	20 NL/min bei 6 bar	
Colour		
Machine	white-structure	RAL 9003
Housing	blue-structure	RAL 5010
Machine Measures (LxBxH)	approx.	5,6 x 1,3 x 1,6 m
Net Weigth	approx.	575 kg

## **Additional Features:**

### **Special Design for tubes 3500mm**

Alternatively to the standard parent core length of 2500mm the machine could be build as a CombiCUT 3500

### **Shortened V-prism**

Alternatively to the standard V-prism the machine could be build with a shortened V-prism.  
This reduces the machine approx. 1.3m.

### **Toolset with Nylon – Cutting Head**

Including cutting disc and cone for clamping the tube.  
*For each ID of cores, one toolset is required.*

### **Multi-Cut**

#### **Multi-Lengths – Software**

For cutting one tube into 8 different lengths.

*Brodbeck*