

Papercore cutting machine

DRS 2200

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



➤ Working method of the machine:

The cores are placed on a trolley. The trolley is equipped with a separation of the cores.

The diameter of the cutting mandrels is smaller than the inner diameter of the core and therefore suitable for the whole range of core IDs.

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

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

The tubes fall onto a prism and are then fed into the machine via a transport carriage.

Two driven counter-pressure rollers are automatically placed on the tube and lift the tube out of the transport carriage.

Now the knife unit with up to 6 individually adjustable knife holders is swiveled to the tube and cut in one operation.

The transport carriage conveys the complete cut tube out of the machine. After this, the tube is ejected on a storage table and can therefore be removed.

In case of problematic cores, this function can be switched off and the cores can be removed from the transport carriage by hand.

The machine is equipped with:

- Siemens Touch Panel
to program the required cutting pieces.
- Cutting mandrel with 6 hardened cutting discs and counter-pressure rollers with electronically adjustable speed.
The counter-pressure rollers are pneumatically adjustable.
- 6 manually positionable knife-holders incl. circular knives.
- Push-off device for the cut sections and waste pieces.
- Cutting mandrel approx. 250 mm diameter with changeable steel discs.
- CE – safety devices.

Technical details:

* depending on quality and thickness of the core.

Core diameter		
min. inside	approx.	280 mm
max. outside	approx.	600 mm
Wall thickness max.*	approx.	10 mm
Core length uncut	approx.	2200 mm
Cutting length		
min.	approx.	250 mm
max.	approx.	2150 mm
Set-up time	approx.	5 min
Cutting tolerances*	approx.	+/- 0,2 mm
Machine speed*	approx.	4 tubes / min 450 mm Ø 3 mm thickness
Cutting mandrel		250 mm Ø
Circular knives		ASP 100 x 40 x 2 mm
Electrical installation		400 Volt, 50 Hz 3 phase current with N and PE

Main drive		
for cutting mandrel and counter-pressure rollers		4,0 kW
Pneumatic installation		100 NL/min at 6 bar
Standard painting		
Machine	signal white-structure	RAL 9003
Machine dimensions (LxWxH)	approx.	7,0 x 2,4 x 2,1 m
Net weight	approx.	3.200 kg

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