

Papprohrschnidmaschine

UNI 1000A

with automatic feeding

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 automatically out from a storage device onto the cutting mandrel.

By a tube separator each single core is positioned in a prism. Each single core 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 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:

- *Touch Panel*
for programming the required cutting length and amount of pieces.
- *Positionable Knife-Holder*
incl. circular knife and absorber unit.
- *Driven Knife*
- *Positionable Axis* for Knife-Holder
- *Automatic Feeding System*
- optional available: *Tube Magazin*
- *Discharging unit* for cut sections.
- *Cutting mandrel* with OD 35mm or 25mm
- Safety Devices according CEE - conformity



Technical Data:

* depending upon quality and wall of core

| | | |
|------------------------------------|-----------------------------|--|
| Core Diameter | | |
| ID min | appr | 25 or 35 mm |
| adapted mandrel from | appr | 12 mm |
| OD max | appr | 180 mm |
| Wall thickness with driven knife * | appr | 10 mm |
| Parent tube length | appr | 550-1050 mm |
| Cutting length | | |
| min | appr | 3 mm |
| max | appr | 1000 mm |
| Last cut min | appr | 12 mm |
| Cutting accuracy * | appr | +/- 0.2 mm |
| Set-Up time to another OD | appr | 3 min |
| Output * | appr | 60 cuts / min 3'' ID, cut 20 mm wall 1.5 mm |
| Mandrel choice | | 25 or 35 mm ID |
| adapted mandrel | | 12 – 25 mm ID |
| Standard Circular Knife | | ASP 100 x 40 x 2 mm |
| PLC | | Siemens S7 |
| Electrical Installation | | 400 Volts, 50 Hz 3 phase current with N und PE |
| Main Drives | | |
| Mandrel and guide rollers | | 0.75 kW |
| Positioning Device | | 0.65 kW |
| Knife Drive | | 0.18 kW |
| Pneumatic Installation | | 50 NL/min at 6 bar |
| Standard Painting | | |
| Machine | signal white texture finish | RAL 9003 |
| Machine dimensions (LxWxH) | appr | 3.4 x 1.7 x 1.8 m |
| Net weight | appr | 1100 kg |

Tube Magazine

for storage of parent cores

Waste Sorting

for the trim cuts.

Licence: MULTI-CUT

Multiple-Lengths - Software

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

Universal

Multi-ID Cutting Mandrel

Available for tube IDmin 25 or 35 mm

Special Design for small ID's less 25mm

Alternatively the UNI 1000A could be equipped with
special designed cutting mandrels.

corresponding

Adapted Cutting Mandrel

Tool-Set smaller than ID25mm

Available as standard: 12 – 14 – 15 – 16 – 18 – 20 – 22 - 30mm