

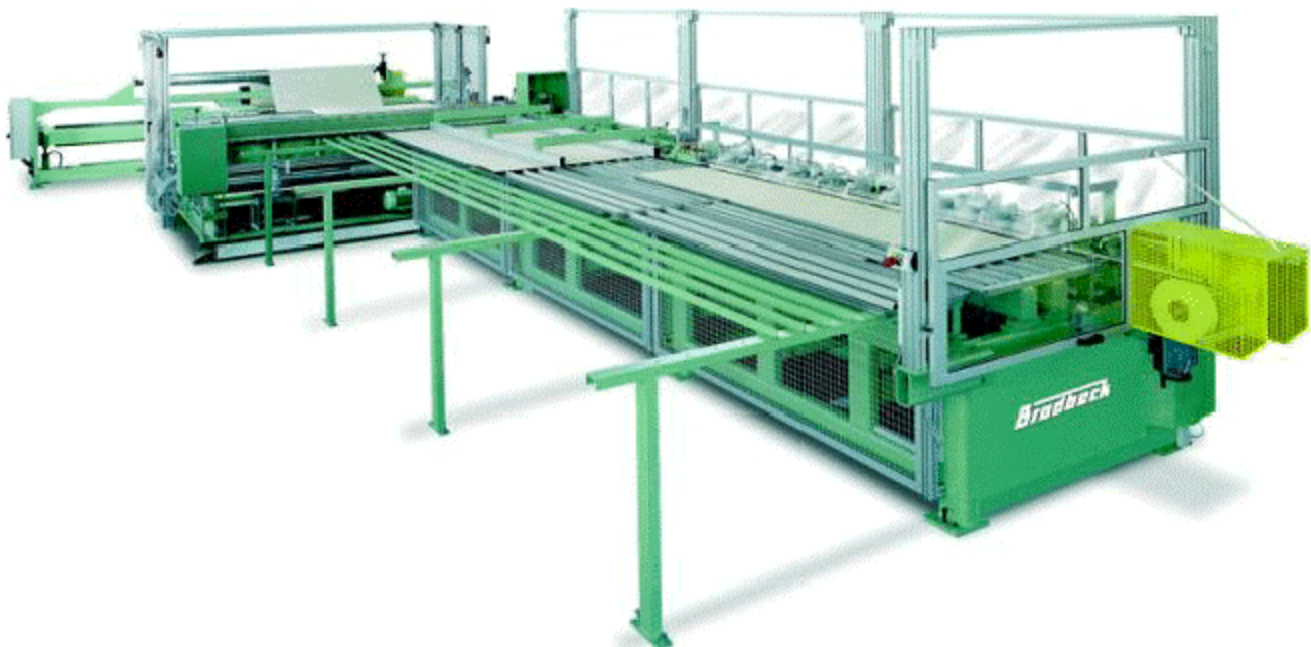
Convolute Winder PAWS 28 – 3200

for production of convolute winded paper cores.

The glue is applied onto the paper web.
Thereby silicate, dextrin or casein can be used.

The machine is equipped with:

- Heavy duty machine frame
in welded steel frame construction.
- Outside Bevelling Device
for outward wedge-shaped grinding of paper web.
The final seam closes perfectly to the tube. Grinding width up to 70mm.
- Jet Gluing Device
for constant application of glue onto the paper web.



- Servodriven feedrolls for the paper web.
The parent length simply is programmed on the operating terminal.
Smallest tolerances are achieved.
- Cutting Device with Cross Knives
to cut the paper sheet corresponding to the tube length.
- Paper Sheet orientation
to guarantee rectangular feeding of the paper sheet into the mandrel.
Distance 2nd needle bar to middle of mandrel appr. 1.000 mm
- Sheet Transporter with double needle bar
for save advance of paper sheet to the mandrel.
- Servodrive for winding mandrel.
The number of revolutions of the winding spindle
can be entered freely programmable at the control terminal,
thus a fast adjustment is possible to the paper web width.
- Pneumatical adjustment of pressure bar.
Individual manometers give exact information
about the adjusted contact pressure of the pressure bar.
- Protective Covers with Saftey Switches.
Covering all movable machine parts.
- Production Control via Photocell.
The machine is stopped in case of malfunction.
- Winding mandrel chromium plated for one tube ID.

Technical Data:

Machine speed infinitely variable	appr	5 - 20 tubes/min
Speed recommended	appr	16 tubes/min
Tube Length	appr	1000 - 3200 mm
Tube inner diameter	appr	40 - 110 mm
in special design min	appr	33 mm
Paper reel width minimum	appr	700 mm
maximum up to	appr	2800 mm
Paper reel diameter up to	appr	1500 mm

Electrical installation		400 Volt, 50 Hz 3-phase current with N and PE
Main drive by servo engine	appr	10 kW
Servodriven Carriage	appr	15 kVA
Servodriven advance of Paper Web	appr	10 kVA
Servodriven advance of Winding Mandrel	appr	10 kVA
Net weight	appr	10 245 kg

**Winding Mandrel
for Tube Length 3200mm**
with Stripper for another ID of tubes

Shaftless Unwind Stand with Paper Reel Brake

The machine is equipped with:

- Roller Gluing Device
for constant application of glue onto the paper web.
- The left lift arm remains with each reel width at the same position.
The right lift arm can be adjusted to the reel width.
- A manually operated web edge positioning of both lift arms
permits the correct positioning to the web to the winding spindle.
- Hydraulic aggregate with engine for stroke mechanism
with appropriate micro-adjustment by selector valves.
- Disc brake to adjust the web tension.
The outside diameter of the web is supervised with by ultrasonic sensor.
- Electrical and hydraulic control
- Inclusive cones for admission of one paper reel

Technical specification:

core inside diameter	70 mm
paper reel outside diameter	1.500 mm
paper reel width	
max	2.800 mm
min	700 mm
positioning of paper reel edge	+/- 50 mm
paper reel weight max	3.400 kg
web speed max	60 m/min
web pull max	500 Nm

Additional Equipment

Outside Bevelling Device

Upgraded version with grinding motor 4 kW
incl. noise protection cover

The outside side of the paper web
is wedge-shaped grinded to form the ending tube.

with:

Noise protection hood

for noise reduction from 94 to 85 dBA

Inside Bevelling Device

with motor 1,75 kW,
and pneumatical lifting device for the grinding block
The inside side of the paper web
is wedge-shaped grinded to form the beginning tube.
This device is required when working with thick cardboard.

Vacuum Dust Collector

to take away the dust caused by the grinding device.

consisting of:

- Ventilator 0,75 kW
- Pre-separator and dust collecting bags
- div. flexible rubber tubes with connectors

Glue Application Unit for Border-Gluing

to applicate another type of glue
onto one or both borders of the paper web.

Sprinkling Device for Apron Tubes

with electric pump 0,37 kW

The width of the apron is not glued
but moistened with water.

alternatively:

Dipping Basin for Apron Tubes

The glue on the exterior side of the paper web
is removed in a mater basin.

Outside Laminating Device

positioned in 90-degree angle to the paper web

Laminating Device for Self-adhesive Tape

positioned in 90-degree angle to the paper web