

LZ 1/101-80

Flat braiding machine for a maximum width 65mm

- 101 carriers
- 3-roller take-off
- Bobbin size 42 x 130mm = 148ccm
- Motor power: 1,0kw
- Speed: 300r.p.m.
- Noise level: < 85dB



RU 2/16-80

Circular braiding machine for 1 – 5mm diameter

- 2 heads, 16 carriers per head
- Take-off disc: 95,5mm diameter
- Bobbin size 42 x 130mm = 148ccm
- Motor power: 0,25kw
- Speed: 300r.p.m.
- Noise level: < 80dB



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Pitch	size Carrier no.	Bobbin size	Speed
80mm	3 – ∞	42 x 110mm = 125ccm 42 x 130mm = 148ccm	300r.p.m.
100mm	8 – ∞	55 x 130mm = 265ccm 55 x 170mm = 346ccm	250r.p.m.
120mm	3 – ∞	63 x 200mm = 547ccm	330r.p.m.
140mm	8 – ∞	78 x 280mm = 1211ccm	235r.p.m.
160mm	8 – ∞	87 x 320mm = 1732ccm	200r.p.m.
180mm	12 – 48	100 x 350mm = 2501ccm	140r.p.m.
210mm	12 – 32	120 x 380mm = 3552ccm	120r.p.m.
224mm	3 – 48	115 x 380mm = 3581ccm	110r.p.m.
266mm	8 – 48	135 x 380mm = 5074ccm	110r.p.m.
336 mm	8 – 48	190 x 500mm = 13271ccm	60r.p.m.
432mm	8 – 48	250 x 640mm = 29606ccm	48r.p.m.
528mm	8 – 48	290 x 640mm = 40464ccm	40r.p.m.
660mm	12 – 48	350 x 700mm = 65369ccm	33r.p.m.
720mm	8 – 48	390 x 800mm = 93305ccm	30r.p.m.
1088mm	8 – 32	560 x 900mm = 213426ccm	24r.p.m.
1500mm	8 – 12	800 x 1200mm = 382764ccm	15r.p.m.
2000mm	8 – 12	1000 x 1500mm = 1133758ccm	9r.p.m.

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Strong technology for strong results.

Braiding machines for technical applications.



RF 1/144-100

Braiding machine in a radial, horizontal construction

- 144 carriers + 72 triaxial carriers
- Robot take-off
- Bobbin size 55 x 130mm = 265ccm
- Motor power: 2,2kw
- Speed: 50 - 200r.p.m.
- Noise level: < 85dB

RU 2/24-80

Circular braiding machine
for 1 – 6mm diameter

- 2 heads, 24 carriers per head
- Take-off disc: 95,5mm diameter
- Bobbin size 42 x 130mm = 148ccm
- Motor power: 0,37kw
- Speed: 300r.p.m.
- Noise level: < 85dB



VF 1/4-32-140

Variation for different round and
profile braids

- 4 x 4 homegears in a square set-up
- To produce braids with 4 - 32 carriers
- Take-off disc: 313mm diameter
- Bobbin size 63 x 200mm = 547ccm
or 40 x 27mm = 28,5ccm
- Motor power: 1,1kw
- Speed: 50 - 200r.p.m.
- Noise level: < 85dB



SFL 1/24-120 horizontal

Circular braiding machine for sleeveings,
for 5 – 25mm diameter

- 24 carriers
- Caterpillar take-off
- Bobbin size 63 x 200mm = 547ccm
- Motor power: 1,1kw
- Speed: 200r.p.m. maximum
- Electronic lay length control
- Noise level: < 90dB

EXNG 1/24-140

Shock-cord braiding machine
for 3 – 12mm diameter

- 24 carriers
- Take-off disc: 313mm diameter
- Bobbin size 78 x 280mm = 1211ccm
- Motor power: 0,75kw
- Speed: 235r.p.m.
- Noise level: < 90dB



SFL 1/48-120

Circular braiding machine for sleeveings,
for 8 – 15mm diameter

- 48 carriers
- Multi-roller take-off
- Bobbin size 63 x 200mm = 547ccm
- Motor power: 1,5kw
- Speed: 330 r.p.m.
- Noise level: < 90dB

USP 300 Eltra

Rewinding unit for cords with 1 – 6mm diameter

- Winding on flanged reels up to Ø 300mm x 300mm traverse
- Electronic traverse system Eltra
- All winding parameters to be adjusted via PLC
- Constant number of spindle revolutions of 90 – 900r.p.m. or constant yarn speed of 30 – 300m/min
- Length measurement via sensor at a measuring wheel



GM 12

Pay-off creel

- For very fine yarns, fine wires and monofilaments
- With 12 pay-off positions, actively driven
- For drums DIN 160, 200 or 250 with a maximum weight of 15kg
- All winding parameters to be adjusted via PLC
- Brake force adjustable by a dancer system
- A radial pay-off with light and constant yarn tension is guaranteed



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Semi-automatic bobbin winding machines

Machine type	Winding positions	Flange diameter	Inner Length	Traverse
SP 280	4	maximum 120mm	25mm – 280mm	Eltra
SP 280E	4	maximum 120mm	30mm – 280mm	Uhing
SP 320	4	maximum 120mm	25mm – 320mm	Eltra
SP 320E	4	maximum 120mm	30mm – 320mm	Uhing
SP 400	2 or 4	maximum 150mm	170mm – 400mm	Eltra
SP 400E	2 or 4	maximum 150mm	170mm – 400mm	Uhing
SP 05	2	maximum 350mm	60mm – 640mm	Uhing
SP 07	1	maximum 400mm	300mm – 800mm	Uhing
SP 08	1	maximum 560mm	500mm – 900mm	Uhing
SP 09	1	maximum 1000mm	800mm – 1500mm	Uhing

Fully-automatic bobbin winding machines

SPA 200	4	30mm – 63mm	80mm – 200mm	Eltra
SPA 200E	4	30mm – 63mm	80mm – 200mm	Uhing
SPA 280	4	40mm – 78mm	200mm – 280mm	Eltra
SPA 280E	4	40mm – 78mm	200mm – 280mm	Uhing
SPA 320	4	50mm – 100mm	280mm – 320mm	Eltra
SPA 320E	4	50mm – 100mm	280mm – 320mm	Uhing
SPA 320/80 (wire)	4	75mm – 100mm	70mm – 100mm	Eltra
SPA 350	1	63mm – 100mm	200mm – 350mm	Eltra
SPA 400	2	100mm – 150mm	280mm – 400mm	Eltra

SPA 200, 280 and 320 are available with snap or clips system, full bobbin storage and as M-version (multiple bobbin formats).

Pay-off creels

We offer rolling, overhead or driven pay-off creels, tailor-made for your material to guarantee a perfect winding process.

Rewinding machines

USP 300 for products with 1-6mm diameter. Traverse control via Eltra or Uhing.
 USP 300M for products up to 2.5mm diameter. Parallel winding of up to 15 flange bobbins in a package.
 USP 550 for products with 5-25mm diameter. Traverse control via Uhing or traverse fingers.
 USP 550PN for products with 5-25mm diameter. Traverse control via Uhing or traverse fingers.
 Drum take-up with pneumatic control.

Attention!

When winding tear-resistant materials, safety devices like fences or photoelectric barriers have to be installed around the area where the yarns run, in order to protect the operator and third parties.

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The bobbin makes the difference



SPA 200

Fully-automatic winding machine

- Four winding positions
- For bobbins with a diameter of 30 – 63mm and a traverse of 80 – 200mm
- Electronic traverse system Eltra or Uhing
- All winding parameters to be adjusted via PLC
- Bobbin magazine with automatic supply
- Convertible to handle various bobbin sizes
- Each yarn guide can be adjusted individually
- Infinitely variable speed from 1600 to 4100r.p.m.
- Labour-cost saving, many extras like yarn retention by clips or snaps and storage systems

SP 280 Eltra

Semi-automatic winding machine

- Four winding positions
- For bobbins with a maximum diameter of 120mm and a traverse of 25 – 280mm
- Electronic traverse system Eltra
- All winding parameters to be adjusted via PLC
- Touchpanel including a database for up to 999 products and menu navigation in different languages
- Infinitely variable speed from 350 to 5000r.p.m.
- Constant yarn- or spindle speed
- Meter- or layercounter



SP 320

Semi-automatic bobbin winding machine

- Four winding positions
- For bobbins with a max. diameter 120mm and a traverse of 30 – 320mm
- Precise winding process for different bobbin sizes thanks to electronic traverse system Eltra or Uhing
- Automatic adjustment of the winding length
- Easy and flexible operation
- Infinitely variable speed from 400 to 1500r.p.m.



SP 280 Eltra for carbon fiber

Semi-automatic winding machine

- Four winding positions
- For bobbins with a maximum diameter of 120mm and a traverse of 30 – 280mm
- Lateral yarn feeding
- Special yarn guides for carbon fiber
- Infinitely variable speed from 800 to 3300r.p.m.
- Constant yarn- or spindle speed



SPA 400

Fully-automatic bobbin winding machine

- Two winding positions
- For bobbins with a diameter of 67 – 135mm and a traverse of 320 – 400mm
- Electronic traverse system Eltra or Uhing
- All winding parameters to be adjusted via PLC
- Bobbin magazine with automatic supply
- Convertible to handle various bobbin sizes
- Each yarn guide can be adjusted individually
- Infinitely variable speed from 400 to 1200r.p.m.
- Labour-cost saving, many extras like yarn retention by clips or snaps and storage systems

HLM 1500

Stranding machine

- For strands in "S" or "Z" construction, diameter from 10 up to 52mm
- PLC system, setting of all parameters through a touch panel display
- For bobbin size 820 x 1500mm or 950 x 1500mm
- Optimised for the processing of HMPE fibers
- Stranding machines are also available for smaller bobbin sizes and strand diameters





Rope braiding machine SE 1/12-1088

- 12 carriers
- Bobbin 560 x 900 mm = 213.426 ccm
- Speed: 24 r. p. m.
- Separate control desk for machine control

Recommended for the production of ropes up to 120 mm diameter.



Square rope braiding machine QSE 1/8-1500

- 8 carrier
- Bobbin 670 x 900 mm = 291.791 ccm
- Take-off disc Ø 1.200 x 550 mm, conical, smooth, on separate rack
- Speed: 14 r. p. m.
- Separate control desk for machine control

Recommended for the production of square ropes up to 96 mm diameter.