

Maschinen GmbH

# Precision Winding Machine CSW 250 / 400 / 500 / 600 / 800

with electronic traverse motion for outstanding precision winding



winding sample:  
paper rope with  
- rope  $\varnothing$  6 mm  
- outer spool  $\varnothing$  800 mm  
- traverse width 800 mm  
- spool weight 300 kg

## Winding Machine CSW is capable of winding all kinds of coarse yarn coreless or on tubes.

Our winding machine type CSW is designed to wind huge size spools from paper cord, twisted yarns, mono and multi-filament yarns, cords etc. With spool sizes up to 800 mm spool diameter, 800 mm spool length and approx. 300 kg weight (other dimensions on request), our CSW sets the benchmark. Within each machine size the winding width is steplessly adjustable. Knotless spools of more than 25.000 m, depending on yarn diameter, can be produced.

With a winding speed of up to 2000 rpm (depending on material quality, spool diameter and machine type), the material can be wound on tubes or tube-less onto a winding mandrel. The speed of the thread laying turn can be adjusted and perfectly adapted to yarn specifications and spool sizes.

Up to 32 spooling heads can be operated as one winding system, controlled by a unique touch screen display.

### Electronic Traverse Motion:

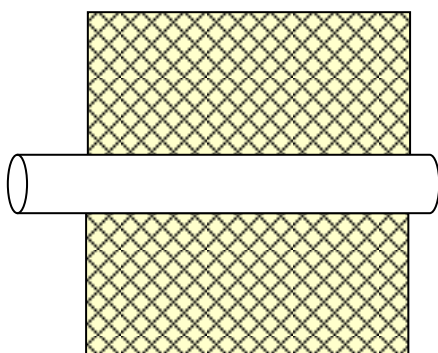
CSW winding machines are equipped with fully electronic traverse motion for outstanding precision winding.

This electronic gearbox enables easy change of e.g. crossing ratio, winding width etc. by typing different parameters into the operation panel.

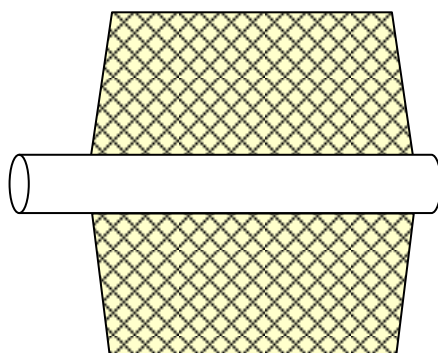


### Various spool contours:

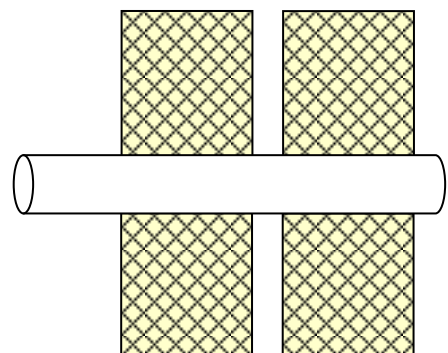
Steplessly adjustable by simply changing the winding parameters.



rectangular



trapezoidal



multi coiling (one creel per position requested)

## JBF Maschinen GmbH

# Winding Machine CSW 250 / 400 / 500 / 600 / 800

## Crossing ratio:

Steplessly adjustable with electronic traverse motion and according to material and spool requests. Automatic adjustment on input of crossing factor or no. of crossings, yarn diameter, spool width and spool diameter. Parallel winding and diamond crossing included in standard scope of delivery. Crossing ratio can be changed during the spool winding process.



## Operation panel:

Operation of the machine with touch panel.

The machine parameters and the error messages are displayed in clear language on the display. Winding parameters like run length, spool width, winding speed, crossing ratio etc. can be stored in up to 99 storage places for shortest change-over-times.

The spool size to be wound can be adjusted and controlled with adjustable parameters:

- spool diameter
- winding length

The set-up winding speed is kept constant during the entire winding process from the start of winding to final spool size.



## Optional creel for supply packages:

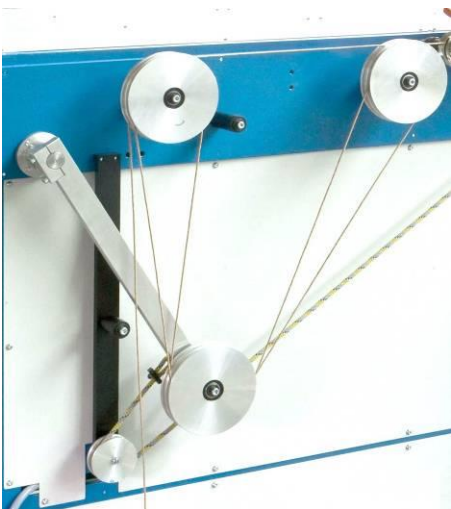
CSW winding machines can be delivered with a creel with active drive and breaking of supply packages. Supply speeds can be adjusted depending on material qualities up to 750 m/min.

Package parameters:

- max. diameter: 1000 mm
- max. width: 800 mm
- max weight: 500 kg

Option: Special creel for large horizontal supply spools with

- max. diameter approx. 1600 mm
- max. length approx. 1500 mm



Yarn tension control and dancer for the material supply speed (standard delivery with creel).



Inverter controlled creel drive of supply package for constant winding speed and yarn tension.



Length measuring device and yarn brake (standard delivery with creel).

## JBF Maschinen GmbH

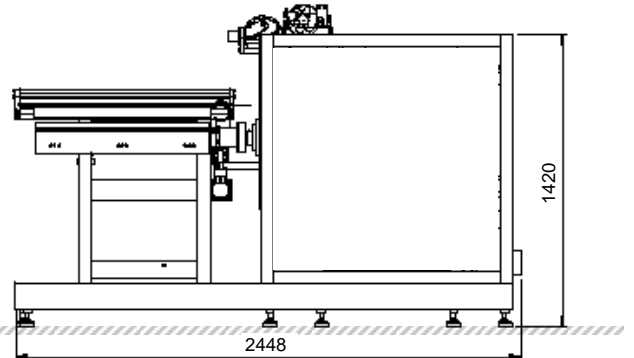
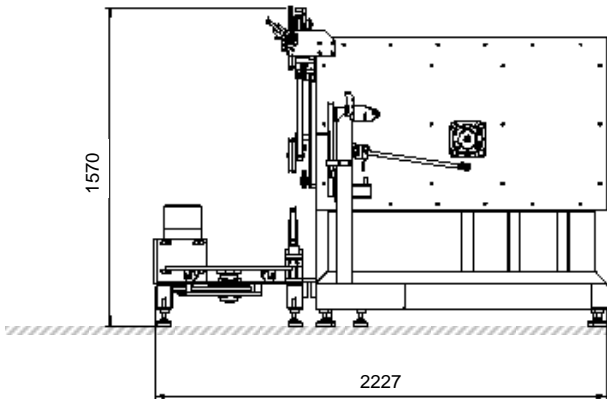
Flurstrasse 8 - D-88367 Hohentengen / Germany - Tel. +49 (0) 7572 / 7641 - 0 - Fax +49 (0) 7572 / 7641 - 30  
Internet: [www.jbf-maschinen.de](http://www.jbf-maschinen.de) / E-mail: [info@jbf-maschinen.de](mailto:info@jbf-maschinen.de)

# Winding Machine CSW 250 / 400 / 500 / 600 / 800

## Optional Equipment:

- Electronic yarn break device with automatic machine stop
- Winding speed reduction before end of supply package is reached, adjustable

## Measurements:



drawings and picture:  
type **CSW 800**



## Technical data:

| Type                           |       | CSW 250   | CSW 400 | CSW 500 | CSW 600 | CSW 800 |
|--------------------------------|-------|---|---------|---------|---------|---------|
| Max. mandrel speed revolutions | rpm   | 2000  | 2000    | 1500    | 1500    | 1000    |
| Max. spool length              | mm    | 250   | 400     | 500     | 600     | 800     |
| Max. spool diameter            | mm    | 250   | 400     | 500     | 600     | 800     |
| Min. spool inside Ø coreless   | mm    | 76  | 76      | 90      | 150     | 150     |
| Max. spool weight              | kg    | 30  | 75      | 100     | 200     | 300     |
| Max. yarn Ø approx.            | mm    | 6,0   | 6,0     | 12,0    | 12,0    | 12,0    |
| Max. ribbon width              | mm    | 100   | 100     | 150     | 150     | 150     |
| Max. take-up speed             | m/min | 750 (depending on yarn quality, supply packages and final spool diameter)         |         |         |         |         |
| Crossing ratio                 |       | infinitely adjustable, depending on yarn diameter, spool width and spool diameter |         |         |         |         |
| Machine weight approx.         | kg    | 650   | 800     | 900     | 1000    | 1200    |

Subject to technical modification without notice

**JBF Maschinen GmbH**

05/09

Flurstrasse 8 - D-88367 Hohentengen / Germany - Tel. +49 (0) 7572 / 7641 - 0 - Fax +49 (0) 7572 / 7641 – 30  
Internet: [www.jbf-maschinen.de](http://www.jbf-maschinen.de) / E-mail: [info@jbf-maschinen.de](mailto:info@jbf-maschinen.de)