

Maschinen GmbH

Precision Winder
Multi Head Winder MHW
with electronic traverse motion

INTELLIGENT
YARN PROCESSING



Picture shows optional equipment

Precision Winder type MHW with electronic traverse motion

Features:

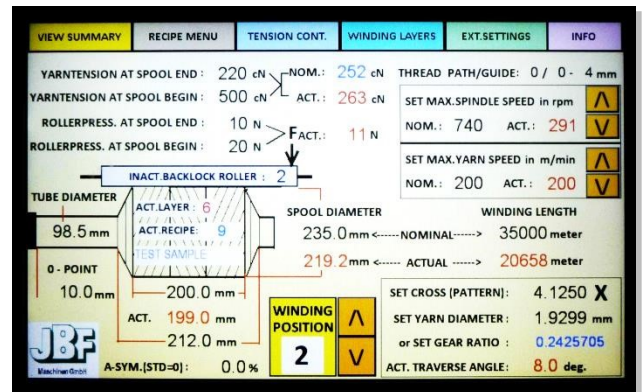
- Spooling programme individually adjustable per spooling positions
- Electronic traverse motion / variable adjustment of traverse
- Traverse control according to spool diameter
- Set-up of no. of crossing and thread diameter will automatically calculating the resulting gear factor independently from traverse width. Parameters can be modified during winding cycle
- Adjustable spooling parameters, max. six layers over spooling length:
 - Yarn size and no. of crossings (1X-1/16X) or gear ratio
 - No. of crossing over the traverse width, incl. conservation of thread thickness when traverse width will be modified, thus crossing pattern will be kept by automatically corrected gear ratio
- Parallel winding possible
- Changeable spool mandrel for cylindrical or conical spools
- Spool mandrel with pneumatic clamping of cores or coreless winding possible
- Back lock of traverse bar pneumatically controlled
- Winding feeder with adjustable thread tension
- Machine stop on yarn break
- Adjustable thread tension, e. g. linear change from spooling start to spooling end
- Thread supply from above (from creel) or below (directly from spools)
- Option: Active and passive rolling unwinding device for supply spools according to customers requirement
- Option: Self-threading thread guides
- Option: Dust exhausting device



Picture shows optional equipment

Operation panel / display:

- 10" colour touch screen
- Easy set-up of spooling parameters incl. spool head pressure
- Fault messages in clear text
- Storage of spooling programmes incl.:
 - Max. mandrel rpm / max. winding speed
 - No. of crossings and yarn size respectively crossing ratio
 - Traverse width modification in accordance to spool diameter or number of mandrel turn, pre-adjustable
 - Set-up of yarn delivery unit in accordance to spool diameter, hence indirect adaption of yarn tension
 - Pre-adjustable spool head pressure in accordance to spool diameter, pre-adjustable over entire winding cycle
 - Machine stop when reaching set-up running length or set-up max. package diameter
- Recipe memory on USB stick



Technical Data: (subject to technical modifications)

No. of spooling heads per winding unit:	1 - 3, pitch 600 mm
Reachable winding speed:	Max. 1000 m/min, depending on crossing ratio, yarn diameter and quality, can be set-up constant over entire winding cycle
Mandrel speed:	50 to 2500 rpm
Traverse width:	10 mm - max. 340 mm (13,5"), optional: 420 mm (16,5")
Yarn diameter:	Max. approx. 10 mm, depending on yarn
Spool diameter:	Max. 350 mm (14"), optional: 410 mm (16")
Mandrel:	Exchangeable, for cylindrical or conical spools
Mandrel diameter:	From 10 mm
Max. spool weight:	40 kg
Mandrel drive, inverter controlled:	1,1 kW, individually per spooling position
Supply spool size with overhead unwinding:	Height max. 500 mm, flange diameter max. 250 mm

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