

TENSIONERS

1. **UI-PD-C:**
Post and disc, Tension ranges: 5-50g, 10-100g, 20-150g.
2. **UI-OP-C:**
Dual spring loaded discs, Tension ranges: 5-50g, 10-100g, 20-150g.
3. **2-Bar/Clamp:**
"V"-Creels
4. **UI-OT-CA:**
Post/disc pre-tensioner with a self dampening dancer, Tension ranges: 5-50g, 10-100g, 20-150g.
5. **(AEI) YTC-2000:**
Electromagnetic 0-75g.
6. **Yarn guides:**
99% Alumina ceramic
7. **Broken end detection:**
Optional
8. **Static elimination:**
Optional

CREEL SECTION

9. **Pitch:**
Package diameter + 40mm (minimum)
10. **No of step:**
6 to 10 steps in zigzag or inline arrangement
11. **Type:**
"H" type gate (swivel), truck or transfer
12. **Loading and running:**
Outside loading / inside running "H" type

WARPER HEAD END

13. **Beam flange diameter:**
1,000mm, 1,250mm, 1,400mm
14. **Sheet width:**
1,500mm to 2,400mm

GENERAL SPECIFICATIONS: EXPERT 1200 DIRECT WARPER (SPUN)

15. **Beam type:**
Journal or Euro-gear
16. **Max. running speed:**
1,200 m/min
17. **Max. winding tension**
1,800mm to 5,500mm
18. **Drive motor (standard):**
AC 15kW motor
19. **Beam brake:**
Dual air/hydraulic brakes (each side)
20. **Beam doffing:**
Automatic operation (pneumatic)
21. **Comb:**
Zig zag with motorized movement
22. **Yarn untangling device:**
Pneumatically operated
23. **Press Roller**
FRP coated roller with kickback function

DRIVE AND CONTROL SYSTEM

24. **Human Machine Interface (HMI):**
380mm color touchscreen utilizing Microsoft Visual Basic
25. **PC based:**
2Gb Compact Flash card stores all programs/style information, reliable diskless technology
26. **Maximum ambient operating temp.**
50° C
27. **Operating system (embedded):**
Microsoft Windows 7 with real time extension
28. **Control software:**
IEC 61131-3 compliant
29. **Communication:**
High speed Ethercat to drives and I/O
30. **Drives:**
Yaskawa A1000 AC Vector

- 31. I/O:**
Beckhoff Ethercat distributed I/O with direct strain gauge interface, current, voltage, relay, etc. mounted close to the device for easy installation and troubleshooting
- 32. Motors:**
Encoder feedback for speed control
- 33. Control cabinets:**
3C labeling of all wiring
- 34. Cabinet conditioning (optional)**
Air conditioned unit at the cabinet
- 35. eXpert Service Link:**
Offers remote diagnoses for hardware status, sensor status, calibrate sensors as required and help with style setup issues.
- 36. Remote access:**
Through Teamviewer and CAT5 internet connection