GENERAL SPECIFICATIONS:
EXPERT 1200 DIRECT WARPING (FILAMENT)

TENSIONERS

1. UI-OP-C:
   Dual spring loaded discs, Tension ranges: 5-50g, 10-100g, 20-150g.
2. UI-RT-C:
   Post and disc pretension with a series of ring/washers, Tension ranges: 5-50g, 10-100g, 20-150g.
3. UI-OT-CA:
   Post/disc pre-tensioner with a self dampening dancer, Tension ranges: 5-50g, 10-100g, 20-150g.
4. (McCoy) Magnatense (fiber glass):
   Electromagnetic rotating tension wheel with built-in broken end detector: 0-35g.
5. Yarn guides:
   99% Alumina ceramic
6. Broken end detection:
   High voltage drip wire (electronic motion sensors optional)
7. Static elimination:
   At exit of creel, “S”-roll and winder
8. Balloon breakers:
   Balloon breaker bags (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), or (transfer)
12. Loading and running:
    Outside loading / inside running “H” type

“S” ROLL ASSEMBLY

13. Brake:
    Magnetic powder brake (AC motor optional)

WARPER HEAD END

20. Beam flange diameter:
    1,000mm
21. Sheet width:
    1,500mm to 2,400mm
22. Beam type:
    Journal or Euro-gear
23. Max. running speed:
    1,200 m/min
24. Max. winding tension:
    40kg.
25. Drive motor (standard):
    AC 15kW motor
26. Beam brake:
    Dual air/hydraulic brakes (each side)
27. Beam doffing:
    Automatic operation (pneumatic)
28. Comb:
    Zig zag with motorized movement
29. Yarn clamp:
    At exit of diversion roll
30. Press Roller:
    FRP coated roller with kickback function
31. Human Machine Interface (HMI):
   380mm color touchscreen utilizing
   Microsoft Visual Basic

32. PC based:
   2Gb Compact Flash card stores all programs/style information, reliable diskless
   technology

33. Maximum ambient operating temp.
   50° C

34. Operating system (embedded):
   Microsoft Windows 7 with real time
   extension

35. Control software:
   IEC 61131-3 compliant

36. Communication:
   High speed Ethercat to drives and I/O

37. Drives:
   Yaskawa A1000 AC Vector

38. 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

39. Motors:
   Encoder feedback for speed control

40. Control cabinets:
   3C labeling of all wiring

41. Cabinet conditioning (optional)
   Air conditioned unit at the cabinet

42. eXpert Service Link:
   Offers remote diagnoses for hardware
   status, sensor status, calibrate sensors as
   required and help with style setup issues.

43. Remote access:
   Through Teamviewer and CATS internet
   connection