



WIDE WEB CUSTOM EMBOSSEY SYSTEM: 1000mm WIDE WEB

Specifications: Page Two

8. Chiller Unit

1 off 60 kw chiller unit piped to supply chilled water to the 2 off backing rolls, 1 off cooling roll and to provide a rapid means of cooling the heating oil in the shim rolls to enable a speedier roll change to be achieved. In this respect the system is of the 'open' type incorporating a 'thermal buffer' tank between the heater and chiller

9. Drive

1 off complete 3-motor A.C. inverter drive system complete with machine mounted main drive panel providing drives to the following sections at the stated powers

- * Draw nip: Item 5a, 2.2kw
- * Emboss nip: Item 5c 5.5kw
- * Cooling section: Driven off backing roll drive
- * Rewind section: Item 6 11kw

Emboss Drive System

1 Rittal floor mounted control desk finished in our standard colour light grey RAL 7032 with zinc coated mounting plate and to UL specification containing:

- 3 x inverter drive controllers and associated control equipment
- 1 x Main incoming circuit breaker
- 1 x 415/110V control transformer (to be confirmed SK)
- 1 x control fuses/circuit breakers
- 1 x emergency stop relays
- 1 x AC motor force ventilation DOL starters
- 1 x Menu driven LCD screen and associated software
- 1 x AC circuit breaker for Fife edge guide unit

As well as controlling the motor tension functions the pushbuttons and lamps would also provide for control/indication of the following items

- a) Stop/start control for all drives
- b) On/off buttons for embossing nips with associated pressure controls and gauges
- c) Digital emboss roll temperature indicators as sensed at roller inlet and outlet points
- d) Lay-on roll on/off
- e) Guider on/off
- f) Web breaker detector on/off

Also included on the panel fascia would be 3 off analogue gauges indicating actual tensions as measured by 3 off transducer rolls situated as follows a - c

- a) Unwind batch to draw nip
- b) Draw nip to emboss nip
- c) Emboss nip to rewind batch

The main control for the unwind guider would be situated on the main machine frames adjacent to the unwind station.

10. Electrical System

The electrical components including wiring will be suitable for use in conjunction with the main supply in the customers' location and will conform to current relevant legislation

11. Machine Finish

The machine would be finished to a high standard in high quality machinery enamel paint on top of the appropriate metal primer. Paint colour to be advised

12. Guarding and Decking

The machine will be supplied with complete aluminium decking and guarding surrounding the front of the embosser and supporting the control panel. Special attention will be paid to the guarding of the embossing nip area using polycarbonate guards to prevent operator access when only using two-roll embossing configuration

13. Wiring and Testing

The machine would be fully wired and mechanically tested in our works prior to despatch to the satisfaction of the customer or his representative. Wiring and trunking would be to the appropriate standards required by the intended country of machine siting.

14. Shim Recombination

Table A robust fabricated table complete with magnetic surface and necessary location stops etc. to enable the correct positioning of the shims on the shim roll. The table is designed to accommodate rolls of 1 metre face with a circumference of 18" minimum to 36" maximum.

Current Delivery Time:

Approximately 22 weeks from receipt of Official order and down payment to commencement of testing.

Exclusions:

- 1) The provision of raw materials required for testing including transport to our premises