

310 Series Motor Controlled Tension Stand

Maximum Capacity: 8,000,000 (888ktex)

Roll Specifications: 4ea 229mm diameter x 406 (16") or 610mm (24") wide chrome rolls

1ea 280mm diameter x 406 (16") or 610mm (24") wide "rubber" roll

Tension: Continuously variable nearly zero to 1,112N (250 lbf.) or 2222N (500 lbf)

Tension Control:

Regenerative Motor Control:

- Siemens AC inverter with 10 horsepower (7.5 kw) motor. Motor applies variable braking or pulling force as required by dancer position and electronic control. Braking energy is returned to supply system for energy saving.
- Includes integration with Siemens PLC.
- Integral dancer actuated
- Note: Instrument quality air required for optimal performance. Impurities in compressed air supply will result in component failure.

Tow Height: Entrance – 34" (864mm), Exit – 48" (1220mm) alternate heights available

Process direction: Right to Left or Left to Right

Controls: Operator console mounted to the 310 Tension Stand, operator functions include:

- Dancer Position potentiometer
- Emergency Stop push/pull button
- Emergency Stop cable
- Nip Roll open / close
- Power On light
- System Stop push button

Special features integrated on the DM&E 310 Series Motor Controlled Tension Stand include:

- Pneumatically operated Holding Brake
- "Omega" wrap nip roll section
- Self aligning Nip Roll
- Dual Driven Rolls
- (1) Rubber Roll on Tension Section
- Stainless steel roll guards with polycarbonate panels in doors
- Electrical safety interlocks provided for each door
- Carbon steel construction with powder coat protective finish
- DM&E 310 Series Tension Stands are supplied completely assembled, ready for customer installation.





