

# HYDRAULIC THRUST EXPANSION SYSTEM

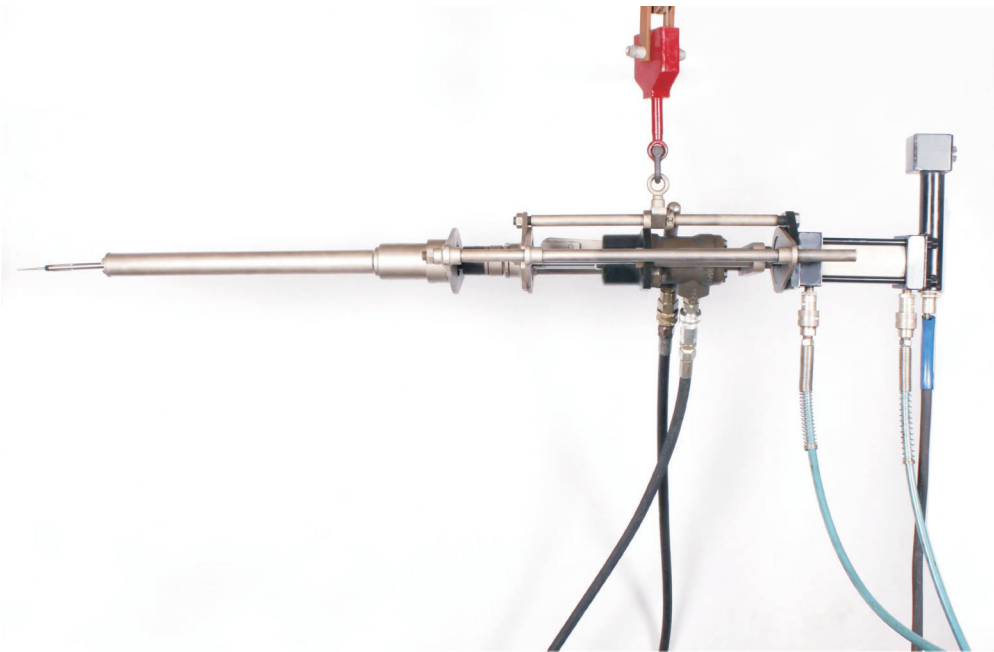
## USING IN LINE ROLL TUBE EXPANDERS

### Features :

- Specially designed to expand stainless steel thick walled and exotic harder tubes, where conventional expanders would fail.
- Can expand tubes in a deep channel using stepping extension.
- Quality leak proof joint in 3 to 5 seconds.
- Precise control of advancing force.
- Constant RPM even under load condition ensures equal pressure to the rolls for tight fit, leak proof joint between tube and tube sheet.
- Internal cylindricity of expanded tubes.
- Durable heavy-duty construction ensures long reliable life.
- Reduction of tube stretching & internal stresses.
- Simple operation saves time & reduces operator fatigue.
- Large oil tank and external filter for better cooling effect and easy filter replacement.
- Automatic lubrication system increases tool life and reduces consumable cost.
- Continuous programmed cycle-microprocessor controlled.



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### PUMP SPECIFICATION

- Power Requirement : 415v, 3 Phase
- Electric motor : 5 HP
- Reservoir Capacity : 138 liters (32 gallons)
- Weight : 450 kg (990 lbs)
- Height : 1000 mm (39") over reservoir  
2630 mm (103") over suspension system
- Base : 1220 mm x 630 mm (48" x 25")
- Maximum Working Pressure : 100 bar

### DRIVE SPECIFICATION

- Tube range 1/2" to 2" O.D. up to 5.1/2" thick tube sheets.
- Special expanders also available .
- No load RPM - 780.
- Control voltage - 24 volts DC.
- Thrust stroke - 65 mm.

**NOTE :** Optional stepping space for rolling thicker tube sheets without removing expander from the tube.  
Extension for expanding of tubes in deep channels is available.  
Ask for catalog number HTTE/038/1 for expanders available.  
System is supplied with operation manual showing detailed features and accessories.