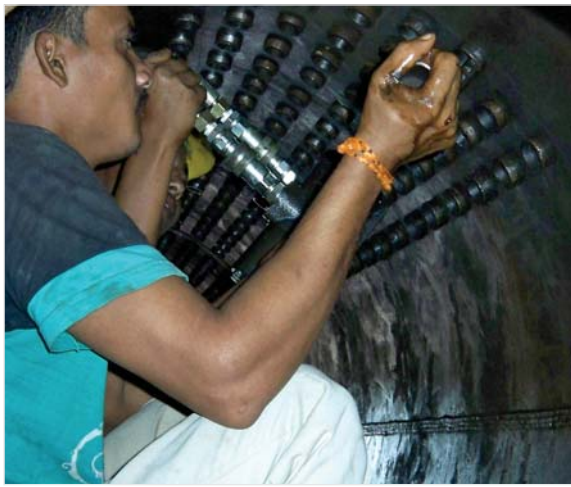


Hydraulic Tube Expansion System



Subzero

The Tube Expander Company...



**High Productivity
Rugged Construction
Easy Handling
Durability and Reliability
Silent**

**High Weight / Power Ratio
Flexibility in Use
Excellent Tube Rolling Quality
Minimized Maintenance
Long Life Lasting**



**YOU CAN COMPLETE YOUR BOILER
ERECTION IN RECORD TIME
ITS GURANTEED!!!**



Hydraulic Tube Expansion System

TUBE RIDER is a hydraulically driven unit which offers automatic tube expansion of boiler tubes to come over the limitation of conventional tube expansion method thereby offering attractive saving in labor, time & money.

SMALLER

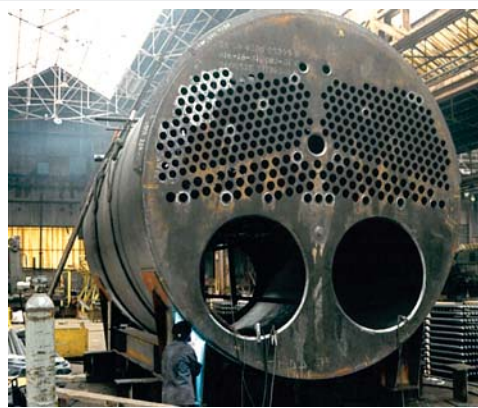
Because of its drastically reduced weight and size the drive head can be maneuvered easily inside confined spaces such as drums.

Jobs are completed faster with far less manual labor, less operator fatigue.



Silent

Compared to electrical expansion method, **TUBE RIDER** offers noiseless operation thereby reducing operator stress & fatigue.



SAFER

Drive head is completely hydraulically controlled, so work can be carried out in damp condition with maximum safety. Low voltage required at drive head for switch function (24VDC) creates no danger to operator in steam or water drum tube rolling. Lightness is another safety factor, reducing mishandling by tired operators.



Smoother

Fully automatic torque control is transmitted through the expander perfectly and instantly. Unlike other type of expanders roller speed stays constant even under heavy torque. **TUBE RIDER** extends applicable range for automatic expander. Its expands tubes up to 6" dia. with no loss in efficiency.

Hydraulic Tube Expansion System

MOBILE TORQUE CONTROL UNIT



Model	TUBE RIDER-5
Input Electrical	3 Phase, 415V+/- 10%V
Electric Motor	3.7KW / 5HP, 1430 RPM, 50/60 Hz
Control Voltage	24VDC
Max. Working Pressure	100 BAR
Oil Tank Capacity	50 LTR.
Dimensions	L820 x W325 x H985
Weight without Oil	110 KG.

TUBE EXPANSION DRIVE HEAD

Type		TED-112		TED-212		TED-300		TED-400		TED-600	
Socket		3/8" & 1/2"		1/2" & 3/4"		1/2", 3/4" & 1"		3/4" & 1"		1"	
RPM		480		105		84		62		11	
Tube Range		Mini	Max	Mini	Max	Mini	Max	Mini	Max	Mini	Max
Tube OD	inch	Ø 3/4	Ø 1.1/2	Ø 1.1/2"	Ø 2.1/2	Ø 1.1/2	Ø 3	Ø 2	Ø 4	Ø 4	Ø 6
	mm	Ø 19.0	Ø 38.1	Ø 38.1	Ø 63.5	Ø 38.1	Ø 76.2	Ø 50.8	Ø 101.6	100	150
Tube Thickness	inch	1/16	3/32	1/16	1/8	1/8	5/32	9/64	1/4	1/4	3/8
	mm	1.65	2.77	1.65	3.17	3.2	4.0	3.5	6.35	6.3	9.5
Tube Sheet Thickness	inch	13/16	1.1/4	1.1/2	1.3/8	1.1/4	1.25/32	2	2.9/16"	2	4
	mm	20	32	12	34.9	32	45	50.8	60	50.8	101.6
Dimension (mm)		762 X 254 X 254		762 X 254 X 254		762 X 254 X 254		762 X 254 X 254		762 X 254 X 254	
Weight - kg (lbs)		9.2 (20)		10.0 (22)		11.0 (24)		11.5 (26)		11.5 (26)	

STANDARD ACCESSORIES



Remote control Pendant
10 mtr. long



Drive Socket



Hydraulic hoses
10mtr. long

Remote Control cable and Hydraulic hoses can be supplied for other length on request.