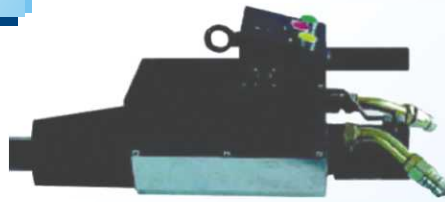




Hydraulic Continuous Tube Pulling Machines



Power pack (Continuous tube pulling)			
	TTP-50	TTP-75	TPP-50
Oil tank capacity (lts)	90	100	60
Oil	ISO 68	ISO 68	ISO 68
Weight (kg/lbs)	230 (506)	255 (561)	230 (506)
Drive	Electric	Electric	Pneumatic
Voltage	415v +/- 10%	415v +/- 10%	N. A.
Power in kw	3.7	7.5	4.9
Air consumption (cfm)	N.A.	N.A.	150
Air Pressure (psig)	N. A.	N. A.	90 psi
Control Voltage (v)	24	24	24



For video Demo visit: www.tristarindia.com

Tube pulling guns (Continuous)			
	TPG - 15	TPG - 30	TPG - 45
Pulling capacity (T @350 bar)	15	30	45
Min to Max tube O.D.	3/8" - 1"	3/8" - 1.1/2"	1" - 3"
Stub pulling capacity	- 1.1/2" O.D.	- 3" O.D.	- 4" O.D.
Pull stroke (mm)	150	150	150
Weight (kg)	14	25	30

Hydraulic Tube Expanding Machines



Powerpack

Model	Oil Tank Capacity lts	Max Working Pr. (bar)	Net Weight kg	Overall Dimensions mm	Electric Motor	Voltage
THP-3	30	100	80	540 x 400 x 320	3 hp 1 Ph	230 v
THP-5	45	100	100	540 x 400 x 320	5 hp 3 Ph	415 v
THP-10	138	100	220	860 x 550 x 425	10 hp 3 Ph	415 v

Standard scope of supply includes 2 hoses of 1/2" 10 mts long each



Hydraulic expansion drive

Tube O.D. Steel	Drive Model	No Load Speed with THP -3/5/10	Weight kg
19-38	THD-4	350/480/400	9.7
38-76	THD-5	62/84/70	11.0
50-102	THD-6	40/62/54	11.5

Torque Controlled Electronic Tube Expanding System

Solid State Torque Controller (TRSCP Series)



Electric Drive Units

Drive Model		Free Speed rpm	Expansion Range		Drive Weight (Kg)
230 v	110 v		S. Steel Tube O.D.	Copper Tube O.D.	
TMP0N	TMP0L	2500	6 - 10	6 - 12	3
TMP1N	TMP1L	850	10 - 16	10 - 20	4
TMP2N	TMP2L	450	16 - 25	19 - 45	7
TMP3N	TMP3L	300	20 - 45	38 - 60	12

For video Demo visit: www.tristarindia.com



PNEUMATIC TUBE ROLLING DRIVES

FOR HEAT EXCHANGERS



Model No.	Tube Capacity (inch)	Max Torque Nm	Weight (kg)
T720 - 550	1/2	8.47	1.20
T850 - 1250	3/4	12.20	4.80
T850 - 600	1	21.81	4.80
T850 - 400	1.1/4	36.00	4.80

FOR BOILERS



Model No.	Tube Capacity (inch)	Max Torque Nm	Weight (kg)
T72 - RT -190	2.5	190	5.80
T72 - RT - 90	4	410	6.70

For video Demo visit: www.tristarindia.com

ERGONOMIC TOOL HOLDING SYSTEM



Most reliable and proven ergo design, work holding system suitable for every application of tube installation and tube removal.

Tool holding system operates on air pressure of 6 bar. This system is very portable and can be used to hold most of the tools and drives required for tube expansion, facing and tube removing operations.

TECHNICAL SPECIFICATION

Model No.	Vertical Movement	Horizontal Movement	Lift capacity	Allowable Torque
TAS - 35	3 Feet (915mm)	5 Feet (1524mm)	35 Kgs.	170NM
TAS - 55	5 Feet (1524mm)	5 Feet (1524mm)	35 kgs.	170NM

For video Demo visit: www.tristarindia.com

TUBE TESTING EQUIPMENT (PNEUMATIC)

TUBE LEAK DETECTOR

A very useful portable testing equipment for detecting punctured tubes in Heat Exchanger, Condenser, Chillers etc.

The leak detector consists of two tube leak detecting guns which are inserted on each end of the tube to be checked for leaks. Once the trigger on the active tube testing gun is pulled, an air pressure is induced into the tube, causing the seals to expand on both the hand held guns. The pressure gauge will indicate and hold on the pressure, if there are no leaks.

A very versatile tool to cover tubes of sizes from 3/4" to 1.1/4" OD by a simple change of a set of manifold and seals.



TUBE JOINT TESTER

A very useful joint testing equipments, to check tube expanded and welded joints between Tube and Tube sheet.

To operate the Joint Tester is inserted into the tube for seal to expand with a push of a button. Vacuum is created between two seals, one expanded into the Tube ID and other seal covering Tube OD. Tube joint leak, if any, is detected as the vacuum shown on the gauge starts dropping.

A very versatile tool to cover tubes of sizes from 3/4" to 1.1/4" OD by a simple change of a set of manifold and seals.

TUBE / PIPE BEVELING MACHINES



TFM-2042



Specially designed to suit the most critical applications with restricted access. These Tools are very rigid, however compact and light weight to facilitate portability and ease of use.

A range of 5 models cover Tube size from 20mm to 306mm O.D. Face Tool head can be mounted either on Electric or Pneumatic Tool as per the requirement . Ideal for on-site pipe Facing, Bevelling and Weld preparation.

APPLICATIONS

- Suitable for jobs in restricted access areas
- Useful in shutdown environments on Condensers and Heat Exchangers
- Used for maintenance and new Boiler manufacturing
- Designed to bevel, face and prepare weld edges for heavy wall thickness tubes

FEATURES

- Light weight and portable design
- Quick interchangeability of locking jaws to suit wide range of diameters
- Modular and ergonomic design to suit in toughest working conditions
- Suitable for wide range of tube id's

Drive	Pneumatic	Electric
Locking Range (mm)	20 - 42	20 - 42
Ideal Speed (RPM)	400	250
Torque (Nm)	27.5	45.0
Feeding Stroke (mm)	23	23
Pneumatic Power (HP)	0.60	--
Air Consumption (cfm)	16	--
Air Pressure (psi)	90	--
Electric Power (watts)	--	650
Weight (kg)	5.5	5.5

TFM - 2876



Drive	Pneumatic	Electric
Locking Range (mm)	28 -76	28 - 76
Ideal Speed (RPM)	110	140
Torque (Nm)	84	138
Feeding Stroke (mm)	40	40
Pneumatic Power (HP)	0.83	--
Air Consumption (cfm)	42	--
Air Pressure (psi)	90	--
Electric Power (watts)	--	595
Weight (kg.)	5.5	11.0

TFM - 39105



Drive	Pneumatic	Electric
Locking Range (mm)	39 -104	39 - 104
Ideal Speed (RPM)	60	60
Torque (Nm)	220	240
Feeding Stroke (mm)	40	40
Pneumatic Power (HP)	1.3	--
Air Consumption (cfm)	40	--
Air Pressure (psi)	90	--
Electric Power (watts)	--	1800
Weight (kg.)	21.0	23.0

TFM - 51203



Drive	Pneumatic	Electric
Locking Range (mm)	51 - 203	51 - 203
Ideal Speed (RPM)	40	40
Torque (Nm)	220	240
Feeding Stroke (mm)	40	40
Pneumatic Power (HP)	1.3	--
Air Consumption (cfm)	40	--
Air Pressure (psi)	90	--
Electric Power (watts)	--	1800
Weight (kg.)	26.5	30.0

TFM - 99306



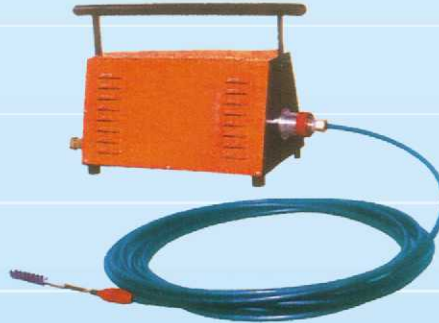
Drive	Pneumatic	Electric
Locking Range (mm)	100-306	100-306
Ideal Speed (RPM)	35	31
Torque (Nm)	180	230
Feeding Stroke (mm)	50	50
Pneumatic Power (HP)	1.9	--
Air Consumption (cfm)	60	--
Air Pressure (psi)	90	--
Electric Power (watts)	--	1400
Weight (kg.)	43.0	44.0

Tube Cleaning Equipments & Tools

For Boilers



For Heat Exchanger / Condensers



Accessories



Various types of Tube Expanders & Accessories

For Heat Exchangers & Condensers



For Boilers & Evaporators



Tube End Facer 'TF' Series



Tube End Facer 'TFB' Series



Internal Tube Cutter



Push Type Tube Cutter



Grooving Tool



Tube Guide



Telescopic Shafts



TRISTAR INDUSTRIAL TOOLS PVT. LTD.

113 / S-2 Vedant Commercial Complex, Vartak Nagar, Thane - 400 606 (India)
Tel: 91-22-2585 3107 / 2585 6624 Fax: 91-22-2585 3993

Email: imports@tristarindia.com Website: www.tristarindia.com

