PROTECH TOOLS

Minimize Downtime, Maximize Efficiency

PROTECH TOOLS





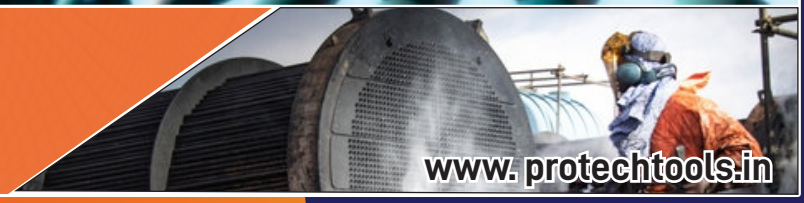


TUBE CLEANERS | TUBE EXPANDERS | TUBE TOOLS

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Manufacturer & Exporter of Tube Tools

PROTECH TOOLS

PROTECH TOOLS was founded in 2023 by a group of experts with 4 years of excellent work experience in the same field. After the initial years of struggle, through hard work, foresight, and persistence, the company has evolved from 2 persons to a dynamic workforce of over 10 individuals. They operate a single manufacturing unit and have established 5 sales and service offices in major cities of India. Currently, Protech Tools is focusing on the global market, aiming to deliver the same products with the best quality, competitive prices, and efficient delivery.

QUALITY - PRICE - DELIVERYS

QUALITY - We have realized that to survive and grow in to days international market we must produce products equal to or better than the best available in the world, else we should cease from producing them. We also must provide our customers with added values to help us grow and increase our market share worldwide.

PRICE - We will not attempt to sell a product worldwide if we are not able to offer our customers significant price savings. We will use our strengths of having a competitive labour force to decide on new products lines.

DELIVERY - We will use our price advantage to increase our inventory levels to an extent that higher cost manufacturers would find difficult to match. We will attempt to ship out orders the same day via UPS, FED EX or DHL to our customers worldwide so it reaches them within days of the order. Automated inventory control, on-line ordering systems and our Same Day Shipment program ensure efficient order placement and execution cycles.

CONDENSER & BOILER TUBE CLEANERS



Features:

Protech Tools Electric tube cleaner are environment friendly compact and easily mensurable unit In heat exchanger, condensers, boilers and other tube apparels They work by attaching a cleaning tool(to be determined on type of deposit to be cleaned) to a flexible shaft. The Electric Tube Cleaner provides rotary motion to the flexible shaft which rotates the cleaning tool inside the tube. If needed water passes through the flexible shaft to aid in flushing out of the deposits.

All Electric Tube Cleaners are supplied with forward direction foot switch.

- Water flushes through the shaft and helps remove deposits from tube.
- Flexible shaft can be easily disconnected.
- Stainless steel body for use in harshest environment.
- Forward direction foot switch enable operation to concentrate or cleaning operation without worrying about cleaner.
- Easy interchangeability of various shafts and accessoriesfor maximum versatility.
- Large wheels for easy transportation. Water consumption can be regulated as needed.

TUBE ID		MODEL	MOTOR	POWER	SPEED	WEIGHT		HEIGHT	DIMENSION	
MM	INCH		HP	KW	RPM	LBS	KG		WIDTH	DEPTH
6.4-25.4	1/4-1	PT-100	1.00	0.75	1450	66	30	38"(975MM)	21" (535MM)	18" (457MM)
16.5 - 76	1 & 2.9	PT-150	2.00	1.4	1450	74	32	38"(975MM)	21" (535MM)	18" (457MM)
25.4 & UP	1 & UP	BT-110	3.00	2.2	2800	84	38	40"(1015MM)	21" (560MM)	19" (487MM)

PROTECH TOOLS

CONDENSER TUBE CLEANING ACCESSORIES



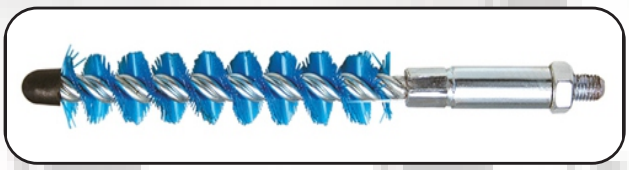
For PT-100, PT-150
Flexible Shafts with Stainless Steel Inner Core
When ordering flexible shafts and accessories, each item should be ordered for specific tube/pipe size or size range.
Shafts have color coded shaft stops for easy identification. Stainless Steel inner cores ensure our shafts have longest life, flexibility and resistance to corrosion.
Since the inner core of the shafts are the heart of the system and take most of the strain, stainless steel inner cores cause our shafts to last longer than the competition.
To order Flexible Shaft(s), determine tube I.D.(s) and length of the longest tube(s).
Order Flexible Shaft(s) to correspond with tube I.D.(s) and lengths.
Please ask us for special or longer lengths.

Tube I.D. Range		Flexible Shaft Model No.	Flexible Shaft Length		Shaft Core O.D.		Shaft Casting O.D.		Tool End Thread
mm	Inch		feet	mtrs	mm	inch	mm	inch	
6.4-9.5	1/4-3/8	PT-250-40	13	4.0	3.2	1/8	6.4	1/4	8-32 F
		PT-250-79	26	8.0					
11.1-12.7	7/16-1/2	PT-375-60	18	6.0	6.4	1/4	9.5	3/8	1/4- 28F
		PT-375-80	26	8.0					
14.3-25.4	9/16-1	PT-500-60	18	6.0	7.9	5/16	12.7	1/2	1/4- 28 F
		PT-500-80	26	8.0					

FLEXIBLE SHAFTS (DRY APPLICATION - G.I. STEEL CASING) FOR TUBES 1‘ (25.4M) I.D. AND UP



Tube I.D. Range		Flexible Shaft Model No.	Flexible Shaft Length		Shaft Core O.D.		Shaft Casting O.D.		Tool End Thread
mm	Inch		feet	mtrs	mm	inch	mm	inch	
25.4	1	PT-875-50	16	5.0	12.7	1/2	22.2	7/8	1/2 - 12F
		PT-875-80	26	8.0					



NYLON BRUSHES

Used for removing soft scales in ferrous tubes (carbon steel, stainless steel) and non-ferrous tubes (copper, brass, plastic, etc.) and for final 'finishing' of tubes



BRASS BRUSHES

Used for removing soft and light scale deposits in straight, non-ferrous tubes (copper, brass, nickel and their alloyed tubes).

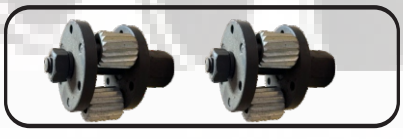


STAINLESS STEEL BRUSHES

Used for removing soft and light scale deposits in ferrous tubes (carbon steel, stainless steel, etc.)

CARBIDE DRILLS FOR HEAVILY CHOKED TUBES







PROTECH TOOLS

ELECTRIC TUBE EXPANSION SYSTEMS



"WATTAGE" BASED TORQUE CONTROLLERS

Tube expansion can best be done by expanding tubes at a set torque value.
Torque is nothing but a rotary force acting on the tubes.
For a given drive, the 'RPM' being constant, torque becomes proportional to the drive power.



EXPANSION DRIVES

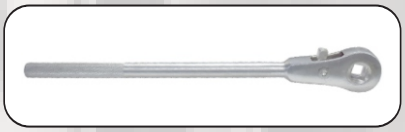
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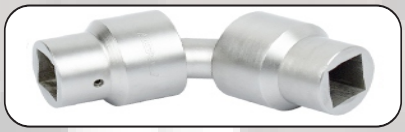
CONDENSER TUBE EXPANDERS / BOILER TUBE EXPANDERS

Most popular tool worldwide for use on heat exchangers and condensers with tubes of 1/2"-1.1/2" O.D..
Condenser Tube Expanders can be used to expand tubes in Air Heaters,
Boilers and Refinery still tubes. Can be used to expand thick tube sheets
Expanders for tube sizes not listed below are also available. Please enquire.

MANDREL DRIVES & ACCESSORIES



Reversible Ratchet Wrench



Double Universal Joint



Taper Shank

PROTECH TOOLS

Manufacturer & Exporter of Tube Tools

REGISTERED OFFICE :
Plot No. 7, Vardhaman Nagar, Galpadar
Gandhidham (Kutch) 370 240.

MANUFACTURING UNIT :
OFFICE NO. 1, 2, Opp. TIME SCHOOL Ganeshnagar,
Gandhidham (Kutch) 370 201.

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AFTER SALES & SERVICES UNIT

MAHARASHTRA	RAJASTHAN	NEW DELHI	GUJARAT
MUMBAI	JAIPUR		SURAT