

# HYDRAULIC TUBE EXPANSION MACHINE



TUBE TOOLS



**SHINGARE**  
INDUSTRIES PVT LTD

**MANUFACTURER & EXPORTER OF**

Tube Cleaners, Tube Tools,  
Tube Expanders, Bolting Tools, Impact Sockets,  
Pipe Beveling Machines, Pipe Cold Cutting Machines,  
High Pressure Water Jet Cleaning Machines & Tapping Machines

Education is necessary but not a pre-requisite for success in life. Bhartiya Industries is the best example of this theory. **Mr. Suryakant Shingare** (HARIBHAI), the founder of the company is a non-matriculate technocrat with more than 10 years experience in flexible shaft manufacturing. He founded this company in 1989.



## Basic Products:

Engineering products is our forte. We manufacture engineering products such as tube expander, tube cleaner, tube tools, hydraulic tube expansion, tube pulling, and pipe beveling machines. We also deal in manufacture of flexible shaft grinders, construction equipment, hydraulic torque wrench, impact socket, pneumatic tapping machines, and many more...

## Brief History of the Company:



We were a small industry until 2003 engaged in production and supply of different types of flexible shafts for tube cleaning, brushes, flexible shaft grinder, and concrete vibrators. The year 2003 was a watershed year for the company.

**Mr. Pradip Shingare**, son of **Mr. Hari Shingare**, graduated from Mumbai University with a degree in Mechanical Engineering. He had great plans to take the company forward on the route to expansion. He ventured into export of the engineering products. By 2008, the company acquired the reputation as the largest exporter of tube cleaning machines and flexible shafts in India.

The year 2009 saw the expansion of the company into manufacture of products such as Tube expander, tube tools, and tube pulling machines. The company witnessed a record double-digit growth in this product range. In 2011, the company started developing a product range of pipe beveling machines. These machines are extremely popular in India as well as in the overseas market. The year 2013 witnessed the company foray into imports of different types of tools such as tapping tools, grinding tools, etc making us the leading player in India in these categories.

The year 2015 saw us entering into the sugar industry component with the manufacture of the Heavy Duty Sugar Dust Collector machine, FlexRepair40 machine.

In 2016, we added **SHINGARE INDUSTRIES PVT. LTD.** a new company in our group. We were awarded ISO 9001:2015 certification for strictly followed quality norms and processes.

## Dedicated Staff:

We have a dedicated team of more than 40 people, many of whom are with us since the early days of the company. We have an excellent blend of youth, knowledge, and experience in our ranks.

## Export oriented:

We export over 60% of our products to more than 55 countries all over the globe.

## Expansion:

We feel the need to expand our business to enable us to serve the people of this country better. With this aim in mind, we established a new company in the name of SHINGARE INDUSTRIES PVT. LTD.

**Our main motto of business is “Growth with Trust.”**

Our mission is to innovate and create an import substitute products in India.

# CONTENTS

Sr. No.	Product	Page
1.	Hydraulic Tube Expansion System	4
2.	Hydraulic Drives	
3.	Accessories for Expansion System	5
4.	Hydraulic Drives Socket	

## Our Successful Participation in Trade Fairs and Conventions in INDIA and Overseas.



SISSTA BENGALURU 2015



SISSTA, CHENNAI 2016



STAI, NEW DELHI 2016



SISSTA, TIRUPATI 2017



MAHATECH, PUNE 2015

## HYDRAULIC TUBE EXPANSION SYSTEM

### FEATURES:

- Silent during use. In comparison electric and pneumatic tube expansion systems are noisy
- Drive communicates with the pump via 9v DC remote control. This ensures safety & eliminates the need of electrical.
- Compact, therefore easy to use inside boiler drums.
- Compatibility- Same power pack for all 4 drives to expand 5/8" OD to 4" OD tube.
- Very high Torque developed- can expand large diameter, thick wall tubes in thick tube sheets easily.
- Long life + low maintenance.
- Boiler erections get completed in record time.
- Can be use for long working hours because drive is unaffected by heat.
- Dual drive power pack is available to connect 2 drives to single power pack to cut down tube expansion time by further 50%.
- Microprocessor controls on the pump automate the expansion cycle. Trip, pause & reverse times for the drive are adjustable. No need for repeated manual STOP/ START of the drive during expansion cycle Complete automatic.
- The hydraulic pump supplied with hydraulic drive incorporates the latest state of the technology resulting in a Subcompact pump developing 100 bar pressure. The system is mounted on four wheels for on site manoeuvrability. Expansion of tubes is regulated by adjusting pressure setting pump. Once required amount of wall thinning is achieved the drive trips automatically.



**HYDRAULIC POWER PACK BHEP-500**

SPECIFICATION	Hydraulic Power Pack Model		
	BHEP-300	BHEP-500	BHEP-1000
Oil tank capacity ( Litres)	30	80	138
Hydraulic Oil	SAE VG 68	SAE VG 68	SAE VG 68
Net Weight (Kgs)	80	100	220
Maximum Working Pressure (bar)	100	100	100
Electrical Motors	3 hp., Single phase	5 hp., Single phase	10 hp., Single phase
Voltage	230v / 110v	415v	415v
Overall Dimensions (mm)	610 x 270 x 985	820 x 470 x 985	1775 x 550 x 1200
Standard Hose Size (Length)	½"(10 mtrs.)	½"(10 mtrs.)	½"(10 mtrs.)

# HYDRAULIC TUBE EXPANSION



TUBE TOOLS

## HYDRAULIC DRIVES SOCKET



Tube Expansion Range				Drive		Drive No Load Speed (RPM)	Drive Weight Kgs.
Steel Tube O.D.		Copper Tube O.D.		Model No.	Square Socket Inch	With BHEP-300/500/1000	
Inch	Mm	Inch	Mm				
5/8-1	15-25	1.1-1/2	25-38	BHED-3	3/8	620/954/800	9.6
3/4-1.1/2	19-38	1.1/4-2.5	32-64	BHED-4	3/8 & 1/2	350/480/400	9.7
1.1/2-3	38-76	2-4	50-102	BHED-5	1/2 & 3/4	62/84/70	11.0
2-4	50-102	-	-	BHED-6	3/4 & 1	40/62/54	11.5

## ACCESSORIES FOR EXPANSION SYSTEM



Hydraulic Hose

Model No.	Hydraulic Hose (Qty x size x Length) (Mtrs.)
BHE/HS/1210/2	2x1/2"x10
BHE/HS/5815/2	2x5/8"x15
BHE/HS/5820/2	2x5/8"x20
BHE/HS/1210/4	4x1/2"x10
BHE/HS/5815/4	4x5/8"x15
BHE/HS/5820/4	4x5/8"x20



Supply Cable

Model No.	Supply Cable Length (Mtrs.)
BHE/SC/15	15
BHE/SC/20	20
BHE/SC/25	25

## HYDRAULIC DRIVE SOCKET



Model No.	Suare (size)
BHE/DS/38	3/8"
BHE/DS/12	1/2"
BHE/DS/34	3/4"
BHE/DS/1	1"

### FINE TUNE TO OUR OTHER PRODUCTS:

- ▶ Tube Cleaning Equipments
- ▶ Flexible Shafts
- ▶ Tube Expander
- ▶ Vernon Type Tube Expander
- ▶ Flexible Shaft Grinder
- ▶ Concrete Mixing Vibrators
- ▶ Pneumatic Tapping Machine
- ▶ Construction Equipments
- ▶ Rust Removal Machines
- ▶ Wire Brushes
- ▶ Tool Head Cutters (15 Roller,3 Rollers etc.)
- ▶ Sugar Grade Wire Brushes
- ▶ Brushes for type Tube Valve Buffing
- ▶ Twisted in Wire Brushes

## OUR MAJOR CLIENTS

Please see below our robust and valued client list that uses BHARTIYA products repeatedly. We take pride in our partnerships and the ability to grow with such amazing group of companies.



**SHINGARE**  
INDUSTRIES PVT LTD

**SHINGARE INDUSTRIES PVT. LTD.**  
Formerly known as Bharatiya Industries  
Manufacturer & Exporter of Tube Cleaners, Flexible Shafts, Tube Tools, Pipe Beveling Machines, Torque Tools, Grinding Tools, Tapping Tools.  
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