

PNEUMATIC TORQUE WRENCH



TUBE TOOLS



SHINGARE

INDUSTRIES PVT LTD

MANUFACTURER & EXPORTER OF
Tube Cleaners, Tube Expanders, Tube Tools,
Pipe Beveling Machines, Plate Bevellers,
High Pressure Water Jetting Machine & Tapping Machine

TUBE TOOLS

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 were awarded with ISO 9001:2008 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 60 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.

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

We believe in the “Make in India” concept espoused by our honorable Prime Minister Shri Narendra Modi. Our mission is innovation and creation of an import substitute product in India.



PNEUMATIC TORQUE WRENCH



TUBE TOOLS

OPERATING INSTRUCTIONS

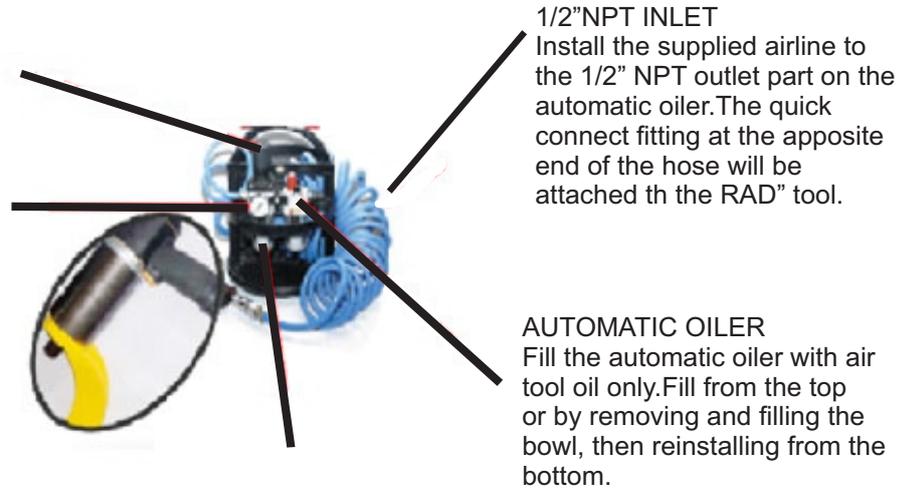
AIR PRESSURE REGULATOR

To increase air pressure (and torque) turn the "T" handle clockwise
NOTE: THE TOOL MUST ALWAYS BE RUNNING WHEN SETTING AIR PRESSURE

1/2"NPT INLET

Install your air supply to the 1/2" NPT female part in the regulator. A minimum 1/2" air line must be used capable of 100 psi at 30 cfm.

Always set air pressure with tool running



NOTE: AIR SUPPLY MUST BE A MINIMUM OF psi@ 30-50cfm

IMPORTANT: DO NOT OPERATE THE TOOL BEFORE READING THESE INSTRUCTIONS, IF BREAKDOWN, MALFUNCTION OR DAMAGE OCCURS, DO NOT ATTEMPT TO REPAIR, PLEASE CONTACT US IMMEDIATELY.

PNEUMATIC TORQUE WRENCHES are reversible, non-impacting, torque controlled tightening tools and must always be operated with the following:

- ▶ Clean dry air supply with a minimum flow of 100psi and 30cfm and 1/2" air line
- ▶ Cage Assembly with lubricator and regulator
- ▶ Impact Sockets
- ▶ Proper Reaction Arm

Where the intended usage is not with threaded fasteners, the safety of operation must be evaluated and appropriate precautions taken. New World Technologies Inc. will be pleased to advise you should you have any questions

These tools contain alloy components which may cause a hazard in certain explosive environments. Please call New World Technologies Inc. for further information.

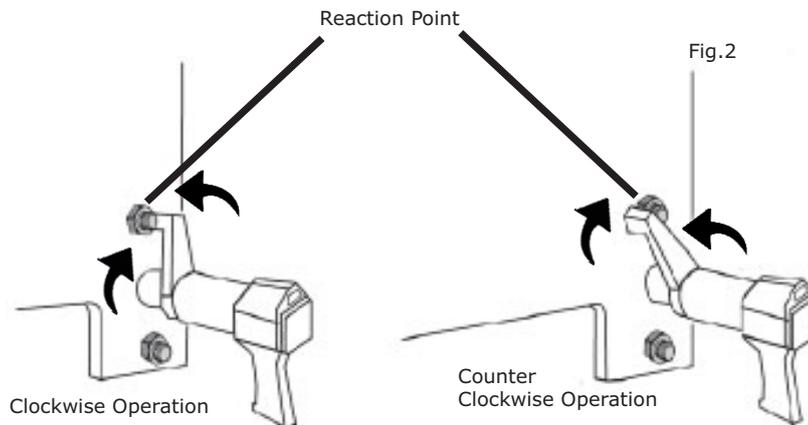
ASSEMBLY

- ▶ Blow out hoses before connecting.
- ▶ Connect the wrench Air Inlet- to the outlet side of the cage Assembly, observing airflow direction.
- ▶ Connect air supply to inlet side of the cage Assembly using a minimum hose size of 1/2"
- ▶ Check oil level in lubricator and fill to correct level.
- ▶ Attach Reaction Arm (B) to Spline or Serpentine (C) adjacent to the Output Drive (D) of the wrench and secure with circlip.

WARNING: TO AVOID HAZARD FROM WHIPPING AIR HOSES MAKE ALL CONNECTIONS TO THE TOOL BEFORE TURNING ON THE AIR SUPPLY.

When the tool is in operation the Reaction Arm rotates in the opposite direction to the Output Square Drive and must be allowed to rest squarely against a solid object or surface adjacent to the bolt to be tightened. (See figure 2)

Warning Always keep hands clear of the reaction arm when the tool is in use or serious injury could result



OPERATING THE WRENCH

- ▶ Fit the wrench with the correct size impact socket to suit the bolt to be tightened.
- ▶ Check that the Forward/Reverse switch is set correctly.
- ▶ Rotate the handle to a convenient position relative to the Reaction Arm.
- ▶ Fit the tool onto the bolt to be tightened with the Reaction Arm adjacent to the reaction point. (see figure 2)
- ▶ Squeeze the Trigger (F) partially to bring the Reaction Arm into contact with the reaction point.

WARNING: KEEP HANDS CLEAR OF THE REACTION ARM!

WARNING: IN USE, THIS TOOL MUST BE SUPPORTED AT ALL TIMES IN ORDER TO PREVENT UNEXPECTED RELEASE IN THE EVENT OF A FASTENER OR COMPONENT FAILURE!

- ▶ Fully depress Trigger and keep fully depressed until wrench stalls. If the Trigger is released before the wrench stalls, full torque will not be applied to the bolt.
- ▶ Release Trigger and remove the tool from bolt.

SAFETY

MAKE SURE YOU OBSERVE THE DIRECTIONS ON THE WARNING LABELS AT ALL TIMES

Tools have been designed with safety in mind however, as with all tools you MUST observe all general workshop safety practices, and specifically the following

- ▶ Before using your new tool, get familiar with all its accessories and how they work
- ▶ **ALWAYS** wear safety goggles when the tool is in operation.
- ▶ Make sure the reaction arm is in contact with a solid contact point before you operate the tool.
- ▶ Keep your body Parts clear of the reaction arm and the contact point.
- ▶ Set your air pressure while the tool is running.
- ▶ Refer to the enclosed torque chart to set the correct air pressure regulator setting for a required torque
- ▶ **NEVER** exceed the maximum air pressure shown on the torque chart.
- ▶ **ALWAYS** use the regulator and oiler that is supplied. Failure to do this voids the warranty and can place you in danger.
- ▶ Be sure to use a minimum 1/2" airline to the cage assembly as this will allow for adequate air flow.
- ▶ Make sure the reaction arm snap ring is securely in place to hold the reaction arm or blank in place.

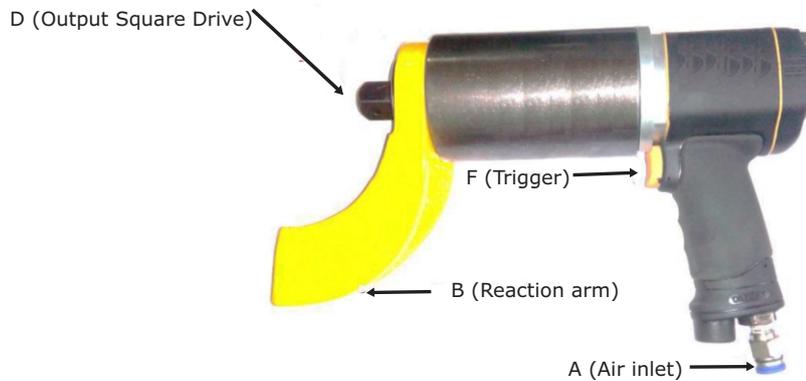
PNEUMATIC TORQUE WRENCH



TUBE TOOLS

RAD° TOOLS ARE SAFE AND RELIABLE NOT FOLLOWING PRECAUTIONS AND INSTRUCTIONS OUTLINED HERE CAN RESULT IN INJURY TO YOU AND YOUR FELLOW WORKERS

New world technologies incorporated is not responsible for any such injury.



C (Spline or serpentine)



E (Forward and Reverse switch)



Details for Selections

Model No.	Min. Torque		Max. Torque		Free Speed rpm	Square Drive inch	Weight	
	Ft /Lbs	Nm	Ft /Lbs	Nm			Kg.	Lbs
SPTW-15	30	45	130	180	42	1/2"/3/4"	6.0	13.2
SPTW-50	125	170	500	680	25	1/2"/3/4"	7.0	15.5
SPTW-75	185	250	750	1020	15	3/4"/1"	7.0	15.5
SPTW-100	250	250	1040	1400	9	3/4"/1"	7.0	15.5
SPTW-200	560	340	2200	3000	6	1"/1.1/2"	10.0	22
SPTW-300	750	750	3000	4050	3	1"/1.1/2"	11.0	24.3
SPTW-400	1000	1010	4000	5400	2.5	1.1/2"	13.60	30
SPTW-500	1200	1650	4800	6500	2	1.1/2"	13.60	30
SPTW-600	1630	2200	6000	8100	1.5	1.1/2"	13.60	30

PRODUCT LIST

- FLANGE FACING MACHINES
- PLATE BEVELLING MACHINES
- PNEUMATIC EXPANSION DRIVES

- ELECTRIC EXPANSION DRIVES
- ELECTRIC CONTROL PANNELS
- PNEUMATIC TORQUE TOOL
- NUT SPLITTERS
- TUBE TOOLS

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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