

USER MANUAL

Pipe Chamfering Machine

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1. Introduction

Thank you for choosing the Pipe Chamfering Machine. This machine is designed to produce clean, smooth chamfered edges on pipes of various materials, including metal and plastic.

Purpose of this Manual:

- Provide proper setup, operation, and maintenance instructions.
 - Ensure safe use of the machine to maximize its lifespan and efficiency.
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2. Safety Instructions

General Safety:

- Only trained personnel should operate this machine.
- Do not operate the machine without proper safety guards in place.
- Ensure all safety labels are visible and legible.

Personal Safety:

- Wear appropriate **PPE**: safety gloves, goggles, and ear protection.
- Avoid loose clothing or accessories that may get caught in moving parts.

Machine Safety:

- Check the power supply and ensure all connections are secure before operation.
- Always power off the machine before maintenance or troubleshooting.
- Keep the work area clean and free of obstructions.

Emergency Stop:

- Locate the **emergency stop button** before starting the machine.
 - Use the emergency stop if any unsafe condition occurs.
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3. Machine Overview

Main Components:

- **Base Frame:** Provides support and stability.
- **Clamping System:** Holds pipes securely during operation.
- **Chamfering Tool/Head:** Rotates to create chamfered edges.
- **Control Panel:** Interface to operate the machine.
- **Emergency Stop Button:** Ensures immediate shutdown for safety.

Applications:

- Ideal for pipes of varying diameters and materials.
 - Commonly used in plumbing, construction, and manufacturing industries.
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4. Technical Specifications

Parameter	Specification
Pipe Diameter Range	XX mm to YY mm
Chamfer Angle Range	15° - 45°
Power Supply	220-240V / 50-60 Hz
Motor Power	XX kW
Speed	XX RPM
Material Compatibility	Metal, Plastic, PVC pipes
Machine Weight	XX kg

5. Installation Guide

1. **Unboxing and Inspection:**
 - Carefully remove the machine from its packaging.
 - Check all components for damages during transportation.
2. **Placement:**

- Place the machine on a stable, level surface.
 - Ensure there is enough space around the machine for operation and maintenance.
 - 3. **Electrical Connection:**
 - Connect the machine to the appropriate power supply as per the specifications.
 - Use a grounded socket to avoid electrical hazards.
 - 4. **Testing:**
 - Test the machine without a pipe to verify smooth tool rotation and clamping operation.
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6. Operating Instructions

Step 1: Preparation

1. Ensure the machine is powered on and properly grounded.
2. Select the appropriate chamfering tool for the pipe material and size.
3. Adjust the machine settings for the required chamfer angle and depth.

Step 2: Loading the Pipe

1. Place the pipe into the **clamping system**.
2. Adjust the clamps to hold the pipe securely in place.

Step 3: Chamfering Operation

1. Turn on the machine and ensure the tool head starts rotating.
2. Gradually bring the chamfering tool into contact with the pipe edge.
3. Allow the machine to perform the chamfering operation evenly.

Step 4: Finishing the Process

1. Once the chamfering is complete, release the clamping system.
 2. Remove the pipe carefully and inspect the chamfered edge.
 3. Turn off the machine if no further operation is required.
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7. Maintenance and Troubleshooting

Maintenance Checklist:

Task	Frequency
Clean the machine and work area	After each use
Lubricate rotating parts	Weekly
Inspect tools for wear or damage	Weekly

Task	Frequency
Check clamping system alignment	Monthly

Common Issues and Solutions:

Issue	Cause	Solution
Machine not starting	Power supply issue	Check power connections.
Irregular chamfering edges	Dull or damaged tool head	Replace or sharpen the tool.
Vibrations during operation	Loose clamps or bolts	Tighten all components.
Excessive noise	Insufficient lubrication	Lubricate moving parts.

8. Warranty Information

- The machine comes with a **12-month warranty** covering manufacturing defects.
 - The warranty does not cover damage caused by misuse, improper installation, or lack of maintenance.
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9. Contact Support

For inquiries, technical support, or spare parts, contact:

STSI Customer Support

- **Phone:** 9922901049
- **Email:** shreetechspm@gmail.com
- **Website:** www.shreetechspmindustries.com