

# AUTOMATIC TOOL POLISHING MACHINE

www.eliz.com  
 (412) 829-7700

Properly working punch and die surfaces are key to the manufacturing of good tablets and operational efficiency. Parle-Elizabeth TP Series of automated tool polishing machinery are reliable and cost effective solutions for punch and die polishing in volume manufacturing operations. The use of Parle-Elizabeth TP-I and TP-II automated polishing machines quickly pay back more than the investment via reduced labor cost and less damage and variation to critical punch surfaces.

## Machine Features & Benefits:

- Complying with GMP standards.
- Construction is sturdy enough for vibration free performance.
- Stainless steel, SS 304 grade structure with Aluminium frame support.
- Covered with acrylic sheets from 3 sides i.e. front, side and top with transparent look for better reflection of light during the process.
- Applied for CE certification.
- Straight & Angular tool holders ensures no damages to the tools.

## Advantages of the Tool Polishing Machine

- Consistent surface finish on all tooling, resulting in better tablet finish.
- Environmental and user friendly process.
- Avoids accidental damage to punch tip & embossing due to over polishing.
- Improves efficiency of tablet press operation & tablet productivity.
- Eliminates dependency on operator skill & effective utilization of man hours.
- Can help to overcome common tooling problems viz. sticking, picking & corrosion.



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**Perfect Results:**

For best results, the choice of the right finishing machine together with right abrasive and processing media are extremely important. There are so many parameters that can influence results that it is wise to seek our expert advice.

The most important parameters are :

- Quality, shape and size of the abrasive media.
- Type, capacity and design of the finishing machine.
- Design, material and weight of the components to be polished.
- Polishing process.

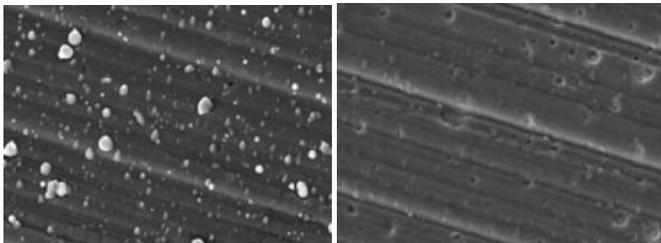
**Concerns on Manual Polishing of Punches**

- Dependency on human skill.
- Uneven polishing of punches and dies & inconsistency in surface finish.
- Process delay, if concerned person is not available.



Die : Before & After use of Tool Polish

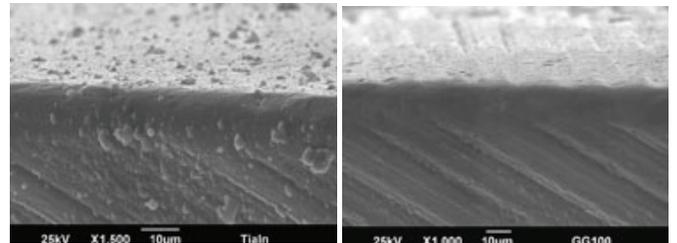
**Magnified view of tools**



Before

After

**Magnified view of coated tools**



Before

After

Want to learn more about Elizabeth’s tool polishing machines and our offerings?  
 Visit us at [eliz.com/tool-polishing-machinery/](http://eliz.com/tool-polishing-machinery/)

Thank you for reading! If you have further questions or concerns email us at [sales@eliz.com](mailto:sales@eliz.com) or call us at (412) 829- 7700.