

Part Tumblers / Vibratory Polishers

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Metalworking Machines

Part tumblers and vibratory polishers finish batches of small parts by tumbling them with abrasive media, deburring edges, smoothing surfaces and polishing metal and plastic components with minimal effort. They clean up machined and laser-cut parts in quantity.

Key Features

- Bowl capacities from 2.5 to 18 litres
- Vibratory or rotary tumbling action
- Variable speed controls
- Compatible with many media types
- Quiet enough for workshop benches

Typical Uses in the Workshop

- Deburr machined and stamped metal parts
- Smooth printed, cut or cast components
- Polish small parts and jewellery
- Finish batches of identical parts

Safe Operation

1. Select the media for the material and finish
2. Load parts and media with water or compound
3. Set the timer and run the cycle
4. Rinse and inspect the parts
5. Separate parts from media with a sieve

SAFETY NOTES

- Keep hands and tools out of the bowl while running
- Do not tumble fragile or coated parts
- Use the correct media - hard media damages soft parts
- Keep machine away from water spills
- Empty the bowl carefully to avoid spills

Maintenance & Consumables

- Clean the bowl after each use
- Sort and recycle the media
- Check the motor and drive belt
- Keep the machine dry when stored
- Change compound and media on schedule

Specification & Buying Notes

A vibratory bowl of 5-10 litres with variable speed covers school needs. Buy a media starter pack (ceramic, plastic, corn cob) and polishing compound. Check noise levels before classroom placement.