

Emergency Stop Push Button Enclosures

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Safety & First Aid



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Emergency stop enclosures house a red mushroom e-stop button in a labelled, durable box that mounts at the machine or station, breaking the control circuit reliably when pressed. They give every area a clear, reachable panic stop.

Key Features

- IP rated enclosures
- Mushroom red e-stop buttons
- Latching twist-release action
- Labels and signage
- Conduit or cable entries

Typical Uses in the Workshop

- Provide station-level machine stops
- Mount e-stops where machines lack them
- Give project rigs an emergency control
- Standardise the stop action

Safe Operation

1. Mount the enclosure in reach
2. Wire the e-stop into the control circuit
3. Test the stop action weekly
4. Reset by twisting after use
5. Check the machine will not restart

SAFETY NOTES

- The e-stop must actually break the circuit - test it
- Do not daisy-chain e-stops in series incorrectly
- Keep the button clear and labelled
- Never bypass the e-stop
- Inspect the wiring regularly

Maintenance & Consumables

- Test the latching mechanism
- Check the contacts and wiring
- Clean the enclosure and label
- Replace worn buttons
- Log the weekly tests

Specification & Buying Notes

Certified e-stops in an IP65 enclosure with correct wiring meet safety expectations. Quality contacts break positively; cheap switches arc and weld. Pair with the machine interlock.