

TURRET PUNCH PRESS

DO NOT use this machine unless you have been instructed in its safe use and operation

PERSONAL PROTECTIVE EQUIPMENT



Safety glasses must be worn at all times in work areas.



Long and loose hair must be contained.



Gloves must not be worn when using this machine.



Sturdy footwear must be worn at all times in work areas.



Close fitting/protective clothing must be worn.



Rings and jewellery must not be worn.

PRE-OPERATIONAL SAFETY CHECKS

- ✓ Inspect the machine before the day's work; report damage, faults and missing or illegible warning plates.
- ✓ Confirm the hazardous area, including behind the machine, is clear of people and obstacles; check the fencing and access protection.
- ✓ Locate STOP and EMERGENCY STOP controls. Check tool change doors, their interlock and other protective functions are effective.
- ✓ Confirm punches and dies are suitable, correctly fitted and within the press capacity, sheet thickness and tooling limits.
- ✓ Check the workclamps and gauges; secure the worksheet in the clamps before operation.
- ✓ Follow the manual startup checks: air and cooling supplies, NC READY and TOP DEAD CENTER indications, RETRACT state and axis zero return.
- ✓ Warm the machine as directed if hydraulic oil temperature is below 10°C.

ENDING OPERATIONS AND CLEAN UP

- ✓ Stop punching and wait for all movement to cease before removing the worksheet or cleaning the work area.
- ✓ Shut down in the manual's sequence: POWER OFF, machine circuit breaker OFF, close air intake and stop compressor, stop cooling water unit, then turn off shop power.
- ✓ Remove offcuts and debris using a safe method; leave the machine and surrounding area clean and clear.
- ✓ For maintenance, turn off electrical power and compressed air, then padlock the machine circuit breaker switch lever.

OPERATIONAL SAFETY CHECKS

- ✓ Operate only as a trained operator; coordinate any other authorised persons involved.
- ✓ Keep all people outside the hazardous area while the carriage, table, turret or worksheet moves. Watch for sheet movement at the front and rear.
- ✓ Keep tool change doors closed. Use TOOL CHANGE ON and STOP before entering the hazardous area or changing tools; check nobody is near the turret before jogging it.
- ✓ Observe workclamp position and worksheet movement. Stop and investigate alarms, stripping failures, overtravel or unusual operation.
- ✓ Keep hands clear of the punch, dies, clamps and moving sheet. Use STOP or EMERGENCY STOP when required.

DON'T

- ✗ Do not enter the hazardous area while the machine is operating; press STOP and set TOOL CHANGE ON first.
- ✗ Do not bypass guards, tool change door interlocks or protective functions, or modify parts or electrical circuits.
- ✗ Do not punch beyond rated press capacity, maximum sheet thickness or permitted tooling conditions.
- ✗ Do not punch glass or stone that may scatter, or wood or plaster that may crumble or generate powder.
- ✗ Do not touch the hydraulic unit or piping during or immediately after operation; surfaces may reach 70°C.
- ✗ Do not leave keys in key switches or allow untrained operation.

Refer to the Risk Assessment for further information.

If in doubt, ASK!

28 September 2026



POTENTIAL HAZARDS

- ❗ Crushing and entanglement at the moving carriage, table, turret, punch and workclamps.
- ❗ Impact or trapping from a worksheet projecting or moving at the front or rear of the press.
- ❗ Cuts and punctures from punches, dies, sharp sheet edges and offcuts.
- ❗ Flying fragments from unsuitable materials or failed tooling.
- ❗ Burns from hot hydraulic equipment and piping.
- ❗ Electric or pneumatic energy during servicing; unexpected machine movement.

Refer to the Risk Assessment for further information.

If in doubt, ASK!

28 September 2026