ZWCNC

Press Brake Factory Acceptance Test Checklist

A contract-linked inspection and evidence form for hydraulic, servo-hydraulic, hybrid, and electric press brakes.

1. Equipment and project identification

Customer / project	_____	**Machine model**	_____
Serial number	_____	**Contract / PO**	_____
Controller / firmware	_____	**Working length / rated force**	_____
Inspection location	_____	**Inspection date**	_____

Evidence boundary: This checklist is a blank inspection and recording aid. It is not a certificate, commissioning report, or proof that a machine passed. Acceptance limits must come from the signed contract, approved drawings, serial-number-specific manual, applicable standards, and local safety rules.

2. Safety and documentation prerequisites

Status	Required check	Evidence / reference
[ ] PASS [ ] HOLD	Approved contract, technical agreement, machine layout, electrical drawing, hydraulic drawing, tooling list, and packing list are available.	_____
[ ] PASS [ ] HOLD	Inspectors are authorised, required guards are installed, emergency stops are accessible, and the test area is controlled.	_____
[ ] PASS [ ] HOLD	Power supply, protective earth, hydraulic oil, lubrication, air supply, and environmental conditions match machine documentation.	_____
[ ] PASS [ ] HOLD	Calibrated instruments are identified, in date, and suitable for the contractual tolerance being checked.	_____
[ ] PASS [ ] HOLD	Test material, tooling, workpiece drawings, bend sequence, and safe handling method are agreed before powered tests.	_____

3. Inspection record

Mark PASS only when the observation and referenced acceptance criterion agree. Use HOLD for missing evidence, unsafe conditions, or unresolved deviations.

Status	Documentation and identification	Observation / instrument / result
[ ] PASS [ ] HOLD [ ] N/A	Machine nameplate, serial number, model, rated force, working length, and supply data match the order.	_____ _____
[ ] PASS [ ] HOLD [ ] N/A	Controller, axes, backgauge, tooling, guards, accessories, spares, and manuals match the approved configuration.	_____ _____
[ ] PASS [ ] HOLD [ ] N/A	Electrical and hydraulic labels are legible and correspond to supplied drawings.	_____ _____

Status	Mechanical and safety inspection	Observation / instrument / result
[ ] PASS [ ] HOLD [ ] N/A	Frame, ram, table, guards, doors, covers, tooling clamps, supports, and access panels show no transport or assembly damage.	_____ _____
[ ] PASS [ ] HOLD [ ] N/A	Emergency stops, foot control, rear guarding, side guarding, interlocks, safety devices, and restart behaviour are tested against the approved safety plan.	_____ _____
[ ] PASS [ ] HOLD [ ] N/A	Lubrication points, fasteners, hoses, fittings, cables, protective earth, and hydraulic-oil level are checked and recorded.	_____ _____

Status	Axes and controlled operation	Observation / instrument / result
[ ] PASS [ ] HOLD [ ] N/A	Reference return, manual jog, programmed motion, soft limits, backgauge travel, ram motion, crowning, and optional axes are checked at controlled speed.	_____ _____
[ ] PASS [ ] HOLD [ ] N/A	Controller backup, user access, tooling data, material data, program storage, alarms, and recovery workflow are demonstrated.	_____ _____
[ ] PASS [ ] HOLD [ ] N/A	A representative part is bent with the agreed material, tooling, sequence, and measurement method; corrections are recorded rather than hidden.	_____ _____

4. Controlled test and evidence log

Test	Acceptance criterion / contract reference	Measured result	Status
Protective earth and supply verification	_____	_____	[ ] PASS [ ] HOLD
Emergency-stop and interlock test	_____	_____	[ ] PASS [ ] HOLD
Axis reference and repeat movement check	_____	_____	[ ] PASS [ ] HOLD
Backgauge position measurement	_____	_____	[ ] PASS [ ] HOLD
Ram synchronisation / position check	_____	_____	[ ] PASS [ ] HOLD
Representative bend angle and flange measurement	_____	_____	[ ] PASS [ ] HOLD
Tooling and crowning review	_____	_____	[ ] PASS [ ] HOLD
Alarm, restart, and backup demonstration	_____	_____	[ ] PASS [ ] HOLD

5. Punch list and close-out

No.	Deviation / evidence	Owner	Target date	Closed by / date
1	_____	_____	_____	_____
2	_____	_____	_____	_____
3	_____	_____	_____	_____
4	_____	_____	_____	_____
5	_____	_____	_____	_____
6	_____	_____	_____	_____

Supplier representative	Name / signature: _____ Date: _____
Customer representative	Name / signature: _____ Date: _____
Final disposition	[ ] Accepted [ ] Conditionally accepted [ ] Held for corrective action

Reference documents to attach

Signed contract and technical agreement; Machine-specific drawings; Calibration certificates; Test-piece drawing and material certificate; Measurement record; Photo/video evidence; Open punch list