Used CNC lathe inspection checklist

With a used lathe, the risk is in problems you cannot see on the spot. This checklist covers 20 checks in 7 parts, from documents to a cutting test, to take with you and tick off on site.

A. Documents and identification

- [ ] **1.** Check the model, serial number and year of manufacture on the nameplate, and confirm them with the builder or its authorized agent.
- [ ] **2.** Ask for the purchase invoice or the import customs documents to confirm ownership, and confirm the machine is not pledged or leased.
- [ ] **3.** Maintenance and repair records; control model and list of options.

B. Running condition

- [ ] **4.** Spindle running hours, power-on hours (if available) and alarm history.
- [ ] **5.** Spindle noise, vibration and temperature rise when running without load.

C. Accuracy measurement

- [ ] **6.** Radial and axial runout of the main spindle and the sub-spindle.
- [ ] **7.** Wear of the chuck or guide bushing.
- [ ] **8.** Backlash and repeatability of each axis (where possible).
- [ ] **9.** Turret indexing and repeatability; tailstock (if fitted).

D. Function tests

- [ ] **10.** Full travel and rapid traverse on every axis; turret tool changes.
- [ ] **11.** Live tooling, C-axis, Y-axis, B-axis (if fitted).
- [ ] **12.** Part transfer to the sub-spindle; chuck open and close, and clamping pressure.
- [ ] **13.** Coolant, high-pressure coolant, lubrication and chip conveyor.
- [ ] **14.** Bar feeder and other auxiliary equipment.

E. Appearance and structure

- [ ] **15.** Wear on guideways and ball screws; oil or water leaks; electrical cabinet, wiring and cooling.
- [ ] **16.** Safety doors and interlocks.

F. Cutting test

- [ ] **17.** Agree in advance on the drawing, material, tools and acceptance criteria.
- [ ] **18.** Record the measurement results and keep photos.

G. Before the deal

- [ ] **19.** Finish the inspection before payment; confirm that the seller's bank account name matches the company name.
- [ ] **20.** Confirm the requirements and responsibilities for dismantling, packing and shipping, with each cost listed separately.

The inspection result only reflects the machine's condition on the day of inspection. It does not cover ownership and is not a guarantee of the machine or the transaction.

Fill in this checklist and send it to us through the quote form on our website or on Zalo, and we will recommend suitable machines.

Email: sales@cncvia.com | Zalo: 0393 790 551