



Cutting-Tools Test Bench

TEST BENCH

For internal channels of cutting-tools

A unique and patented way to check, with an innovative design, fully ergonomic, the new test bench for MQL cutting-tools checks the perfect reliability of cutting-tools, by inspecting the right air flow in their internal channels (tool/tool-holder/coolant pipe) before loading them into a machining center.

Standard equipments

Chip reading	BALLUFF
Power supply	Elec. 110V - 230V Compressed air 4,5 bars
Software	Intuitive and easy-to-use with online help Windows XP, Vista, 7 (32/64 bits) comptability
Tool holder	HSK-A 40, 63, 80 or 100 Pipette detection
Data base	Tool number Machine number Tool drawing (PDF) Tool functioning conditions (Air flow) (Manual identification or through chip reading)

Optional equipments

Chip reading	SIEMENS
Cutting-tool status	If chip (BALLUFF or SIEMENS) Tool status writing: OK/NOK
Tool holder	BT, SA
Miscellaneous	Other evolutions on demand



Checking in 3 steps

- 1** Set-up and clamping. If BALLUFF or opt. SIEMENS chip: cutting-tool automatically identified
- 2** Autorun on laptop? Laptop may be sold by PCI
- 3** Processing guided by intuitive and easy interfaces. Snap results: compliant / noncompliant

- Insonorisation
- Visibility through plexiglas
- Wide door access
- Secured tool identification
- Handling designed for both left and right handers

Easy to use and high performances

Working with air only, with no oil injection, the bench keeps clean and has the advantages of

- **Time saving**
Off-line checking which let you working without **any production shutdown**
- **Cost efficiency**
No production shutdown generates **fast and high costs savings**
- **Ensured safety**
Cutting-tool **hold during measurement**
Stopping control cycle if door is open
- **Preserved environment**
Control cycle with clean air **only**
Checking necessary for **MQL cutting-tools**
Checking also possible for cutting-tools machining under massive lubrication: **emulsion or straight oil**