



iCTS

Integrated Surface Finishing Tooling System



www.hi-automize.de

Integrated Process Solutions



What We Offer

Hi.automize GmbH offers tooling systems and process development for machine tools and industrial robots to automate previously manual processes such as grinding, lapping, and polishing.


Engineered in
Germany.
Trusted
Worldwide.

These processes can be integrated and implemented into existing milling machines with minimal additional effort using the iCTS Tooling System and our process know-how.

ICTS – Tooling System



Technical Data

Spindle Connection	configurable
Force Adjustment	configurable
Contact Force	configurable
Max. Spindle Speed	12-18,000 min ⁻¹
Max. Stroke	5 mm
Max. Tool Angle	Lead/Tilt $\pm 45^\circ$
Collet	configurable

Applications



Moulds & dies



Optics



Defense



Aero & space



Medical



General
Manufacturing

Advantages

- CNC-integrated finishing
- Robotic process automation
- Complex geometry processing
- Up to 50% cost reduction
- Up to 70% time savings
- Adaptive compliant tooling
- High process repeatability
- Plug-and-play integration
- CAM-based programming
- Minimized manual processing



Tailored process solutions to protect your
know-how

Your Expert for
**Automated
Polishing and Grinding.**



**Machine-
Integrated
Finishing**



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