

Tooling design, precision engineering and injection moulding, backed by the TAL Group. Two moulding sites and a fully equipped toolroom link high-precision manufacture to scalable production.

CORE ENGINEERING & MANUFACTURING CAPABILITIES

TOOLMAKING & MOULD DESIGN

- High-cavitation moulds, hot runners & side actions.
- CAD/CAM: DFM, mould-flow & 3D solid modelling.
- Fast modifications, repairs & preventative maintenance.

CNC MACHINING & SPECIALISED WELDING

- CNC milling/turning for inserts, core pins & bases.
- Laser welding for micro repairs & parting lines.
- Precision machining with forging integration.

ADVANCED SPARK EROSION & WIRE EDM

- EDM texturing to VDI3400.
- Wire EDM profiles, slots & keyways to ± 0.005 mm.
- Hardened steels: Stavax, 1.2316, H13, Moldmax, Nibron.

QUALITY ASSURANCE & INSPECTION

- CMM dimensional verification.
- ISIR / FAIR reporting for aerospace, medical & automotive.
- Optical comparison & surface-profile control.

TECHNICAL EQUIPMENT & SPECIFICATIONS

CAPABILITY	WORKING RANGE	PRECISION LEVEL	TYPICAL MATERIALS
CNC Toolroom Milling	Up to 1020 x 510 x 560 mm	± 0.005 mm	Tool Steels, Stavax, H13, Ampco, Aluminum
Wire EDM & Spark Erosion	Up to 600 x 400 x 310 mm	VDI 12 to 36 finishes	Hardened Tool steels up to 62 HRC
CMM Metrology & Inspection	Up to 800 x 1000 x 600 mm	Sub-micron accuracy	Full 3D CAD to Part Comparison
Injection Moulding (2 Sites)	50 Tonnes – 500 Tonnes Lock	High precision to trade mouldings	PP, ABS, PC, PA66, PEEK, Engineering Resins
Precision Laser Welding	Spot sizes from 0.02mm to 2.0mm	Zero thermal warping	Compatible with all tool steel grades

THE TAL GROUP SYNERGY & INTEGRATED SUPPLY CHAIN

As part of TAL Group, HT Tooling Solutions offers a complete turn-key manufacturing pathway. Clients benefit from group-wide capabilities spanning tool design and manufacture, injection moulding, specialist aerospace and oil & gas engineering, and contract manufacturing. From prototype tooling to full production, we provide single-source accountability and reduced lead times.

Ready to discuss an upcoming project or request a quote?

Please contact our General manager: Charlie@httoolingsolutions.com
www.httoolingsolutions.com