CNC Turning

TECHNICAL DATASHEET

High-precision turned components from ferrous and non-ferrous stock, produced on multi-axis turning centers with live tooling. Automated bar feeding supports unattended production from prototypes to 10,000+ piece batches.

PROCESS SPECIFICATIONS

Tolerance	±0.01 mm typical
Diameter range	Ø 6 – 450 mm
Batch size	Prototype to 10,000+
Surface finish	Down to Ra 0.8 µm
Secondary ops	Milling, drilling, threading — in-setup

EQUIPMENT CLASSES

Multi-axis CNC turning centers	Live tooling — turning, milling, drilling in one setup
Automated bar feeding	Continuous production from bar stock
In-process probing	Tool wear compensation on critical dimensions

MATERIALS

Carbon steel	Shafts, bushings, fittings
Stainless steel	Corrosion-resistant components
Aluminium	Lightweight structural parts
Brass	Fittings, valve components