

Our turning division is anchored by the Haas ST10 CNC Turning Center. This 2-axis rig provides exceptional rigidity, high thermal stability, and high-speed bar handling capabilities for turned metal parts. It allows Hallmark Fabrication to manufacture custom standoffs, bushes, shafts, pins, and custom threaded fittings quickly and cost-effectively, acting as either a standalone service or integrated alongside our sheet metal lines.

## TURNING CAPACITY SPECIFICATIONS

TURNING ENVELOPE PARAMETER	WORKING SPECIFICATION RANGE
Maximum Cutting Diameter	356 mm
Maximum Cutting Length (Without Tailstock)	419 mm
Chuck Size / System	165 mm Hydraulic Chucking Mechanism
Maximum Bar Capacity (Through Spindle Bore)	Up to 44 mm Diameter Bar Stock
Spindle Drive & Max Speed	15 hp (11.2 kW)   Up to 6,000 RPM
Turret Tool Capacity	12-Station Bolt-On Tool Turret
Axis Rapid Feedrates	X-Axis: 30.5 m/min   Z-Axis: 30.5 m/min

## TURNED COMPONENTS CAPABILITIES

- **Precision Tolerances:** Capable of holding tight roundness and diameter dimensional tolerances down to  $\pm 0.01$ mm across long batches.
- **Comprehensive Profiling:** Performs complex external turning, threading, grooving, parting, and internal boring operations cleanly across steels, brass, aluminum, and plastics.
- **Integrated Delivery:** Ideal for providing sub-assembly components, turning custom threaded standoffs that are permanently welded or fixed to your sheet metal frames.

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