



STARN

TOOL & MFG CO.

— EST. 1945 —

QUALITY MACHINING & MANUFACTURING SINCE 1945

ITAR Compliant | AS9100D / ISO 9001:2015 | SAM | DDTTC Registered | JCP

UPDATED 12/2025



AEROSPACE



MEDICAL



AUTOMOTIVE



MILITARY



ELECTRONICS



OIL & GAS



INDUSTRIAL



ROBOTICS

INDUSTRIES SERVED:

- ★ Aerospace
- ★ Automation Components
- ★ Electrical And Electronic Manufacturing
- ★ Government & Defense
- ★ Industrial Automation
- ★ Manufacturing / Tool & Die
- ★ Metal Forming
- ★ Oil And Gas
- ★ Plastic Extrusion Manufacturing
- ★ Robotics Components

Starn Tool specializes in the machining of build-to-print parts on a wide range of materials including aluminum, exotics, alloys, stainless, tool steels, and a variety of plastics. Utilizing new world technology combined with decades of toolmaking experience, it is our goal to provide customers with the rapid prototypes and production runs they need to support their business.

CAPABILITIES / EQUIPMENT LIST

UPDATED 12/2025

MANUAL & CNC MILLING

- ★ (2) Haas UMC-750 5-axis machining centers, high pressure coolant, probe, 30"x20"x20" travel
- ★ (1) Kitamura HX400 horizontal machining center, high pressure coolant, 2 pallets, 20,000 rpm spindle, 20"x20"x20" travel
- ★ (2) Fanuc Robodrill vertical machining centers, high pressure coolant, 2 pallets, 24,000 rpm spindle, 27.5"x15.7"x13" travel
- ★ (1) Haas VF3 vertical machining center, high pressure coolant, 10,000 rpm spindle, 4th and 5th axis trunnion, probe, 40"x20"x22" travel
- ★ (1) Haas VF5XT vertical machining center, high pressure coolant, 15,000 rpm spindle, 4th and 5th axis trunnion, probe, 60"x26"x24" travel
- ★ (1) Kitamura 3XI vertical machining center, high pressure coolant, 2 pallets, 12,000 rpm spindle, 30"x20"x22" travel
- ★ (1) Kitamura 3XIF vertical machining center, high pressure coolant, 12,000 rpm spindle, 30"x20"x20" travel
- ★ (2) Trak QCM quick cell vertical milling machines, 4th axis, 14"x12"x14" travel
- ★ (1) Trak TMC7 vertical machining center, 12,000 rpm spindle, 30"x20"x20" travel
- ★ (1) Trak FHM7 3-axis vertical mill, 60"x23"x24.25" travel
- ★ (1) Trak DPM V5 3-axis vertical mill, 40"x20"x25.81" travel
- ★ (2) Sharp 9"x42" vertical mills with digital readouts, power feed and power drawbars
- ★ (2) Sharp 9"x42" 2-axis SWI age 2 control vertical mills with power drawbars
- ★ (1) Tormach PCNC440 3-axis CNC mill

MANUAL & CNC TURNING

- ★ (1) Okuma LU3000EX twin turret lathe, live milling, C-axis, high pressure coolant
- ★ (1) Okuma LB3000EX live tooling lathe, C and Y-axis, high pressure coolant
- ★ (1) Okuma LB3000EX-II large bore spindle lathe
- ★ (1) Okuma 762E Crown lathe with collet chuck
- ★ (1) Bridgeport Romi engine lathe, 10"x40"

MANUAL & CNC GRINDING

- ★ (1) Techno Wasino CNC surface grinder 6"x18" chuck, coolant, Fanuc control
- ★ (1) Harig EZ-Surf CNC surface grinder 6"x18" chuck, coolant
- ★ (1) Harig Autostep NC surface grinder 6"x18" chuck, coolant
- ★ (8) Harig 612 surface grinders all equipped with digital readouts
- ★ (3) Harig 618 surface grinders all equipped with digital readouts

- CONTINUED MANUAL & CNC GRINDING

- ★ (3) Reid 6"x18" travel surface grinders
- ★ (1) Reid with Dedtru centerless grinding
- ★ (1) Moore jig grinder 8"x24" table, 42,000-100,000 rpm spindle, digital readouts
- ★ (1) Brown and Sharpe universal O.D grinder
- ★ (1) Brown and Sharpe universal I.D grinder
- ★ (2) Thompson hydraulic surface grinders 8"x24" chucks
- ★ (1) Chevalier FSG-618 surface grinder

EDM & SUPPORT MACHINERY

- ★ (4) Mitsubishi MV1200-S wire EDM
- ★ (1) Sunnen MBB-1660 hone
- ★ (1) ProPen 2-axis dot peen marking machine
- ★ (1) Okamoto Aero Lap YT-100 polishing machine
- ★ (2) Ultrasonic polishing units
- ★ (4) Fine glass bead and sandblasting cabinets
- ★ (1) Almco model OL-3 tumbler

MATERIAL PREP

- ★ Amada HA250-W horizontal automatic saw
- ★ Spartan PA-10 horizontal automatic saw
- ★ Marvel Model 8 vertical saw
- ★ Scotchman cut off chop saw

CAD / CAM SOFTWARE

- ★ Solidworks
- ★ Mastercam
- ★ Tech Soft
- ★ Starn job shop manager plus

QUALITY

- ★ Registered AS9100D/ISO 9001:2015
- ★ Zeiss CMM with Calypso software
- ★ Brown and Sharpe Reflex CMM
- ★ (8) Optical comparators up to 30"
- ★ (3) Mitutoyo toolmaker microscopes
- ★ (2) Wilson hardness testers
- ★ (12) Fowler Hi-Cal electronic height gages
- ★ (47) Lab grade granite surface plates
- ★ (32) Certified Mitutoyo Cerablock ceramic gage block sets



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20524 BLOOMING VALLEY ROAD
MEADVILLE, PA 16335
(814) 724-1057 | www.starn.com