



# STARN

## TOOL & MFG CO.

— EST. 1945 —

QUALITY MACHINING & MANUFACTURING SINCE 1945

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

UPDATED 4/2025



**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

We work with a wide range of metals and plastic materials including aluminum, exotics, alloys, stainless, tool steels and, a variety of plastics for rapid prototypes and low-volume production. In addition to our stock list, we can provide you with customized raw material, as required.

20524 BLOOMING VALLEY ROAD | MEADVILLE, PA 16335 | (814) 724-1057

[www.starn.com](http://www.starn.com)

# CAPABILITIES / EQUIPMENT LIST

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## 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

- ★ ASQC certified
- ★ 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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