

SHANK MANUFACTURING LINE CARD

Shank Manufacturing is a 107 year small business started in 1912. Shank was established to meet the most highly complex machining needs of demanding aerospace customers. Today, Shank continues to provide comprehensive manufacturing services for clients in all areas, including Aerospace, Defense Department, Hydraulic, Pneumatic, etc. Shank's deep expertise allows us to respond to organizations that require extremely tight tolerances for large or small orders, while focusing on Quality.

Shank Manufacturing delivers this expertise as an **ISO 9001:2015 & AS9100D** Certified organization utilizing the most advanced equipment to manage, control, and produce client products. Whether its 15-5 H1025 stainless, 6061 aluminum, or more exotic materials like Titanium, Inconel, Monel, etc., Shank delivers "on schedule, in tolerance results", and high quality. Shank Manufacturing actively invests in new technology and continuous improvement processes, to manage costs and quality for our clients. Please see below a sample list of our management and control software and equipment:

Manufacturing Plants

- Aurora Plant
 - 575 Exchange Ct., Aurora, IL 60504 Phone (331) 212-5488
- Cicero Plant
 - 4645 W. Roosevelt Rd., Cicero, IL 60804 Phone (708) 298-9099
- Plant Certifications
 - ISO9001:2008
 - AS9100:2009
 - ASME
 - National Board

Business & Shop Floor Software

- EC Solutions M1 for Financials, HR Systems, Scheduling & Planning, and CRM
- PartMaker Cam Software
- Solidworks CAD Software
- EdgeCAM Cam Software
- GEOMagic (Alibre) – CAD Software

Quality Room – Calibrated per AS9100D Certification

- Zeiss Surfcom 2000SD3 Contracer & Profilometer
- Keyence IM-6225
- Fowler Scan F60T
- Optiv Classic 321GL TP 3D Vision System
- Starrett Galileo AV300 3D Vision System
- Mitutoyo High Accuracy Mics (.00005)
- Mitutoyo Profilometers
- Multiple AM Scope Microscopes, Digital Video Microscopes

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Quality Room – Continued

- Vision Engineering Mantis Scope
- Digital Calipers
- Digital Quick Mics
- Multiple Sets of Gage Blocks
- Multiple sets of Pin Gages
- Various other standard gaging (Height gages, Test indicators, Federal Internal Diameter Air Gage, Bore gages, ring gages, plug gages, etc,

Production Equipment (40 Machines)

- Turning
 - Swiss Machines
 - 2017 Mori Seiki Sprint 32/8 (8 Axis) – Qty 2
 - 2016 Mori Seiki Sprint 20/5 – Qty 1
 - Lathes
 - 2018 Okuma LB3000EXBB-MYW (5 Axis) – Qty 3
 - 2018 Mori Seiki NZX2000/800 (8 axis) – Qty 3
 - 2017 Mori Seiki NLX 2000 SY (5 Axis) – Qty 1
 - 2017 Mori Seiki NLX 2500 SY (5 Axis) – Qty 1
 - 2016 Mori Seiki NLX 2500 SY (5 Axis) – Qty 2
 - 2015 Mori Seiki NLX 2500 SY (5 Axis) – Qty 2
 - 2014 Mori Seiki NLX 2500 SY (5 Axis) – Qty 2
 - 2013 Mori Seiki NLX 2500 SY (5 Axis) – Qty 2
 - Mill Turn
 - 2006 Mori Seiki NT3150 (9 Axis) – Qty 1
- Milling/Drilling
 - 2018 HAAS VF-4 4 axis – Qty 3
 - 2015 Mori Seiki NH4000 – Horizontal – Qty 1
 - Milltronics MN RH 14 SR A – Qty 1
 - Milltronics VM20 IL 4 + 1 axis – Qty 1
 - Milltronics VM22 – 4 + 1 axis– Qty 1
 - Bridgeport – Qty 2
 - 11 other various drill presses
- Miscellaneous
 - Miyano BND-51SY2 – 5 axis w/Milling
 - Haas SL-10 – Qty 3
 - HAAS SL-20T– Qty 1
 - HAAS ST-30T – Qty 4
 - Haas ST-30SS – Qty 1

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- Haas DS-30 – Qty 1
- Haas HL-2 – Qty 1

