



Company Background

Established in 1968, KKSP Precision Machining has been producing screw machine parts to customers' exact specifications for more than fifty years.

With over 425 screw machines in four locations in the U.S. and Mexico, KKSP is the capabilities leader and the largest machine shop of their kind in North America. Their significant scale, multiple locations, deep technical expertise, and highly focused operating strategy allow them to deliver advantages to their customers that are not available from other sources anywhere in the world.

All of our locations are fully ISO/TS 16949 certified.

Quality is built into their products and monitored at every step in the production process. Each job starts with careful adherence to print specifications for both raw material and part geometry. Customers are encouraged to invite KKSP Precision Machining to participate in their product design discussions during which their engineers can provide meaningful Value Added/Value Engineering suggestions which can often result in important cost savings.

KKSP maintains complete and verifiable lot traceability of both raw materials and part manufacturing history for all products. Material traceability includes details of raw material origin and manufacturing history in addition to confirmation of adherence to specifications.

The Company's machining process strictly conforms with ISO/TS16949 protocols and involves a carefully designed, documented and verified regimen which ensures consistent product quality. These protocols enable KKSP to provide their customers with the confidence that their parts will consistently meet their specifications.

KKSP's internal procedures require machinists to verify their own product, which allows the Company to control their processes in real-time from the initial point of production. In addition, the Company maintains state-of-the-art touch-free gauging and attribute verification equipment which are employed by both the machine operators and their independent Quality Control Departments at each facility.

Direct input gauging is used to eliminate the potential for human error in measuring critical dimensions. This data can be converted into SPC documentation and statistically analyzed to improve their processes continuously. Another important part of the Company's quality and control system is the unique use of the production print as an electronically stored, living document and repository for critical process knowledge and know-how that is accumulated over time. KKSP's Quality and Engineering Departments constantly updates these documents to include any changes to the part, including customer changes, special instructions, and routings.

Continuous Improvement

KKSP Precision Machining recognizes that today's global marketplace requires supply partners that can deliver improved results and value every year. KKSP is focused on building long-term partnerships with all of its customers and operates a highly structured Continuous Improvement Program (CIP) across all 4 locations.

The KKSP CIP incorporates all levels of the organization with key performance measures tracked and reported throughout the organization. Through this process and its results, KKSP is able to leverage the knowledge and dedication of its employees to continually become a better supplier to its customers, year after year.

As a complement to their internal CIP program, KKSP also routinely works closely with customers on focused initiatives, including Kaizen, VAVE, and other projects, which often lead to significant value improvements.

Competitive Advantages

KKSP Precision Machining is among the largest consumers of free machining metals in the U.S. Through close collaboration and partnership with their raw material suppliers the Company provides materials options to customers that are supported by world-class metallurgical engineering and development teams, quality control and highly competitive pricing.

KKSP's talent pool includes over 1,500 man-years of combined shop experience and is the largest company of its kind in the market, producing over 1 million parts per day to the unique and precise requirements of their customers.

The Company manages an in-house Operator Apprenticeship Program to develop the next generation of skilled craftsman-operators. This unique, self-developed program has an average of fifteen new craftsmen enrolled across all locations in a one to two-year, structured program.

KKSP's Multi-Turn Division, based in Monterrey, Mexico provides machined parts solutions to a predominantly Mexico-based group of Customers seeking a local-country point of supply and service. This clean, well-organized, ISO/TS certified plant is run by the high performance Monterrey team of Mexican national employees and managers. Their quality systems provide customers with the assurance that all of the KKSP facilities, whether in the U.S. or Mexico, operate to the same rigorous ISO/TS standards.

Fact Sheet

Established in 1968, KKSP Precision Machining has been producing screw machine parts to customers' exact specifications for more than fifty years.

The Company maintains over 437 multi-spindle and single spindle screw machines along with a complement of CNC, and secondary machines in four locations in the U.S. and Mexico, KKSP is the capabilities leader and the largest machine shop of its kind in North America. The Company's significant scale, multiple locations, deep technical expertise, and highly focused operating strategy allow it to deliver value stream advantages to customers which are not available from other sources anywhere in the world.

Primary Machines

- Davenport – 284 machines
- Acme-Gridley / New Britains – 101 machines
- Brown & Sharpe – 21 machines
- Hydromat Rotary Transfer – 5 machines
- CNC – 9 machines

Facilities

- East China, MI
- Glendale Heights, IL
- Monterrey NL, MX
- Pleasant Prairie, WI

Sales Offices

- Glendale Heights, IL
- Costa Mesa, CA
- Glendale, CA
- Winter Springs, FL
- Huntley, IL
- Indianapolis, IN
- Brookline, MA
- East China, MI
- St. Clair, MI
- Northville, MI
- St. Louis, MO
- Arden, NC
- Newtown Square, PA
- El Paso, TX
- Fort Worth, TX
- Monterrey, NL, Mexico



Illinois • Wisconsin • Michigan • Mexico

PRECISION MACHINED COMPONENTS

World class quality | Delivered on time

Precision Machined Component Capabilities

1/16" to 3" (2 mm – 75 mm) in diameter

Up to 4" (100 mm) in length

Materials

Free machining brass

Free machining steels

No lead and low lead brass

Bronzes

Copper and copper alloys

Aluminum and aluminum alloys

Stainless steels

Industries Served

Automotive

Consumer & Appliance

Residential & Commercial Construction

Aerospace

Medical

Power Tools

Heavy Trucks

Munitions

Industrial Equipment

Hydraulics

Marine

Transportation

Gas

Agricultural Equipment

Lawn & Garden

Military Equipment