CRAIG INSTRUMENTS LTD

PRECISION MACHINED QUALITY DELIVERED

MADE IN THE USA

QAS International ISO 9001:2015 REGISTERED COMPANY

Company Profile

“Precision Machined Quality Delivered”

Craig Instruments Ltd is an ISO 9001:2015 certified precision machine shop located in Houston Texas. Since 1988 Craig has provided our customers outstanding service and quality machine work.
Our team possesses the experience and innovation necessary to provide our customers with solutions to difficult to machine applications as well as high volume part production.

Our team is dedicated to providing innovative solutions to even the most challenging machining applications, delivering superior quality parts with exceptional precision.

With extensive experience in working with high nickel alloys and aluminum, we can maintain the tightest tolerances while delivering fast and reliable results. Our commitment to building long-term relationships means you can count on us for consistent quality and on-time delivery, at a competitive cost.

Our ideal working range is up to 6 inch diameter and 8 ft long. With the capability to run up to 16 inch diameter and 12 ft long material.

About Us

Since 1988 Craig Instruments Ltd has provided our customers outstanding service and quality machine work. From our continuous ISO 9001 certification since 2014 to our commitment to pursuing advanced certifications like AS9100D, we consistently uphold the highest standards of quality and precision in every aspect of our operations. Our dedication to excellence drives us to continually improve processes, ensuring that we meet and exceed the expectations of our clients across industries.

Customer Commitment

Since our founding, we've prioritized communication with our customers, on time delivery, competitive pricing, and exceptional customer service. From start to finish, we work closely with every customer, ensuring clear communication and a seamless process. At Craig Instruments we are "Precision Machined, Quality Delivered."

Our Commitment to Reducing Emissions & Transparency

At Craig Instruments Ltd., we are committed to reducing our environmental impact, targeting a 30% reduction in Scope 1 and 2 emissions by 2030. Through our participation in the Carbon Disclosure Project (CDP), we transparently report our progress in lowering emissions.

We also provide customers with a Carbon Product Footprint (CPF), offering insights into the carbon emissions of each product we manufacture, helping them achieve their sustainability goals while maintaining the highest standards of precision machining.

Customer Service / Contact List

At Craig Instruments we believe in providing the best service possible to you our customer. You can be confident you will always receive prompt response from all of our departments.

Contact Information: Telephone**: 713-690-6904** FAX: **713-690-6926**

Address: **6333 Guhn Rd Houston, TX, 77040**

Emails:

Quotes: quotes@craiginst.com Shop Foreman / Manufacturing: rickr@craiginst.com

President: jamese@craiginst.com AR/AP: accounting@craiginst.com

Quality Manager: joshd@craiginst.com Materials Manager: mikep@craiginst.com

Capabilities

CNC Milling

Capabilities: 4 and 5-axis CNC machining centers capable of holding .0005 tolerances.

X-Axis: 40” – 120”

Y-Axis: 20” to 40”

Z-Axis: 20” to 32”

At Craig Instruments Ltd., our advanced milling capabilities deliver the highest level of precision and quality, even for the most complex components. Whether you need tight tolerances or intricate geometries, our state-of-the-art CNC mills and experienced team ensure your parts are machined to exact specifications. We specialize in working with challenging exotic materials such as high-nickel alloys, tungsten, BeCu, titanium, Nitronic-50, and C726, making us the ideal partner for industries requiring reliability and accuracy. Trust us to bring your designs to life with unparalleled craftsmanship and attention to detail.

CNC Turning

Capabilities: X: 24″ Z: 157″ Spindle bore 10.5″

Our state-of-the-art CNC lathes enable us to manufacture highly complex tools from a wide range of exotic alloys, precisely tailored to meet our customers' specifications.

Manual Turning

Capabilities: X: 24″ Z: 100″ Spindle bore 4″

Electrical Discharge Machining (EDM)

Capabilities: Auto-fed machines with work areas of:

Wire: 30” (X-axis), 19.69” (Y-axis), and 15.75 (Z-axis) travel.

Plunge: 24” (X-axis), 16” (Y-axis), and 18 (Z-axis) travel.

Electrical Discharge Machining (EDM), also known as spark machining, die sinking, or wire erosion, is a precision manufacturing process that uses electrical discharges to shape materials. During the process, material is removed from the work piece by a series of rapid electrical discharges between two electrodes, separated by a dielectric fluid and subjected to an electric voltage.

At Craig Instruments Ltd., we specialize in creating complex internal geometries with unmatched precision using our advanced EDM machines, capable of reaching within the component. We offer both CNC plunge EDM and wire EDM, ideal for applications where conventional machining methods are not feasible. Our skilled operators, cutting-edge technology, and rigorous process controls ensure the highest quality results for your most demanding projects.

Inspection:

- ISO 9001 Certified since January 2013

- Over 1000 calibrated gauges

- Coordinate Measuring Machine

- Digital Inspection documentation

- Fit and Tolerance Testing: Molding and Casting

Craig Instruments Ltd. follows an in-process inspection method to drive continuous improvement and insure our customers receive a quality part to the specifications and drawings required. We offer a comprehensive range of inspection capabilities, with complete digital documentation of all inspection results. Our QMS requires both first article inspections for all operations and completed Dimensional Data Sheets on all parts that run through our shop.

Other Services:

Laser Engraving

Finishing and Deburr

Quality Assurance

Craig Instruments Ltd is proudly ISO 9001:2015 Certified.

Whether you need prototype parts or a production run we make sure quality of product remains constant. Our commitment to quality begins with a computerized order entry system that follows the order from inception through the purchase of raw materials, outside services, machining, inspection and delivery. All gages and test equipment are maintained and calibrated with standards traceable to the National Institute of Standards.

Certificate of Registration

Craig Instruments Ltd

ISO 9001:2015

Quality Management System

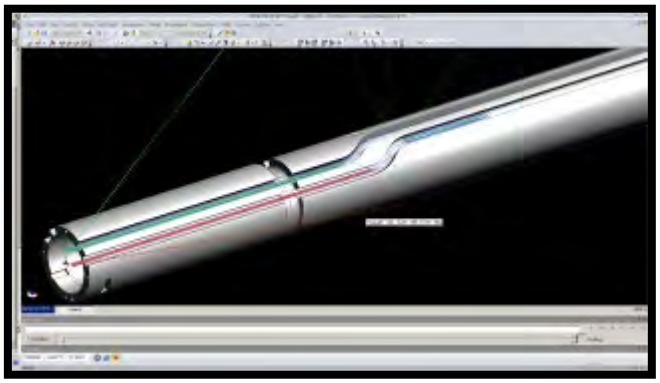
Quality is a continuous process for all Craig employees and management. No matter what the job, total commitment to quality comes first. **Our goal is to achieve total customer satisfaction delivering error-free products at the best total value.**

Latest Technology

Craig Instruments continues to invest in the future by staying current with the latest technology. Not only in CNC machines but manufacturing control, quality control as well as CAM software. Our capabilities include Four and Five axis work along with complex surfaces and rotary milling.

Visual ERP (2024): We utilize this software to schedule production, maintain quality, and complete part traceability. We have to ability to create custom reports for our customers and verify system matching through open order reporting.

Edgecam (2024): We utilize this powerful Computer-Aided Manufacturing (CAM) software for due to its ability to handle complex machining operations with high precision. With it our talented programmers create the programs that we run on our CNC machines, including mills, lathes, EDM, and multi-axis machines.



Our Employees

The Success our company has enjoyed in the past is attributed to one major element - The input and involvement of our employees. The precision products produced are the result of a well-coordinated team effort.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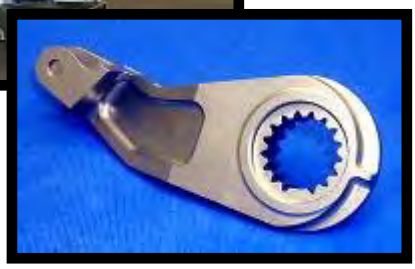
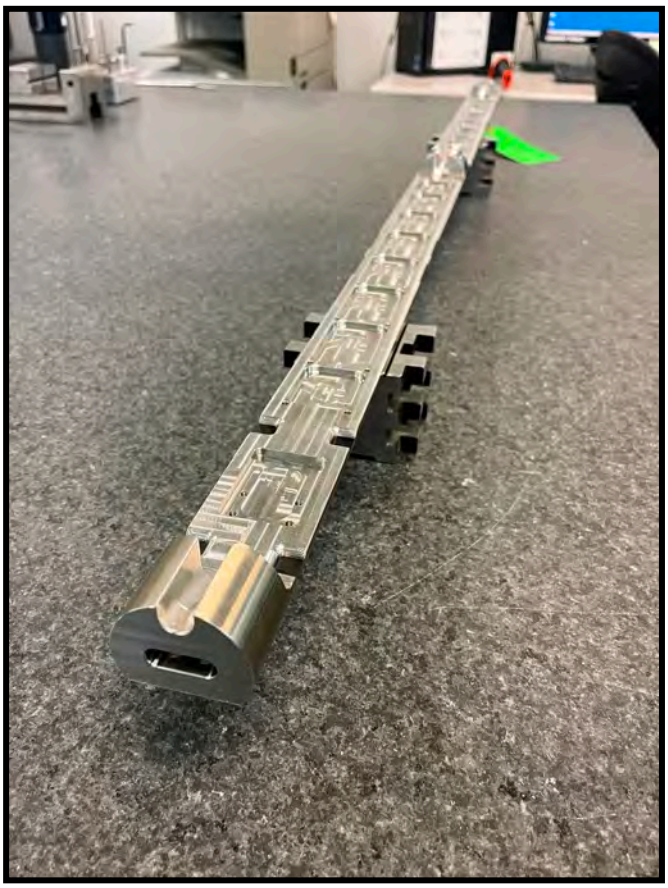
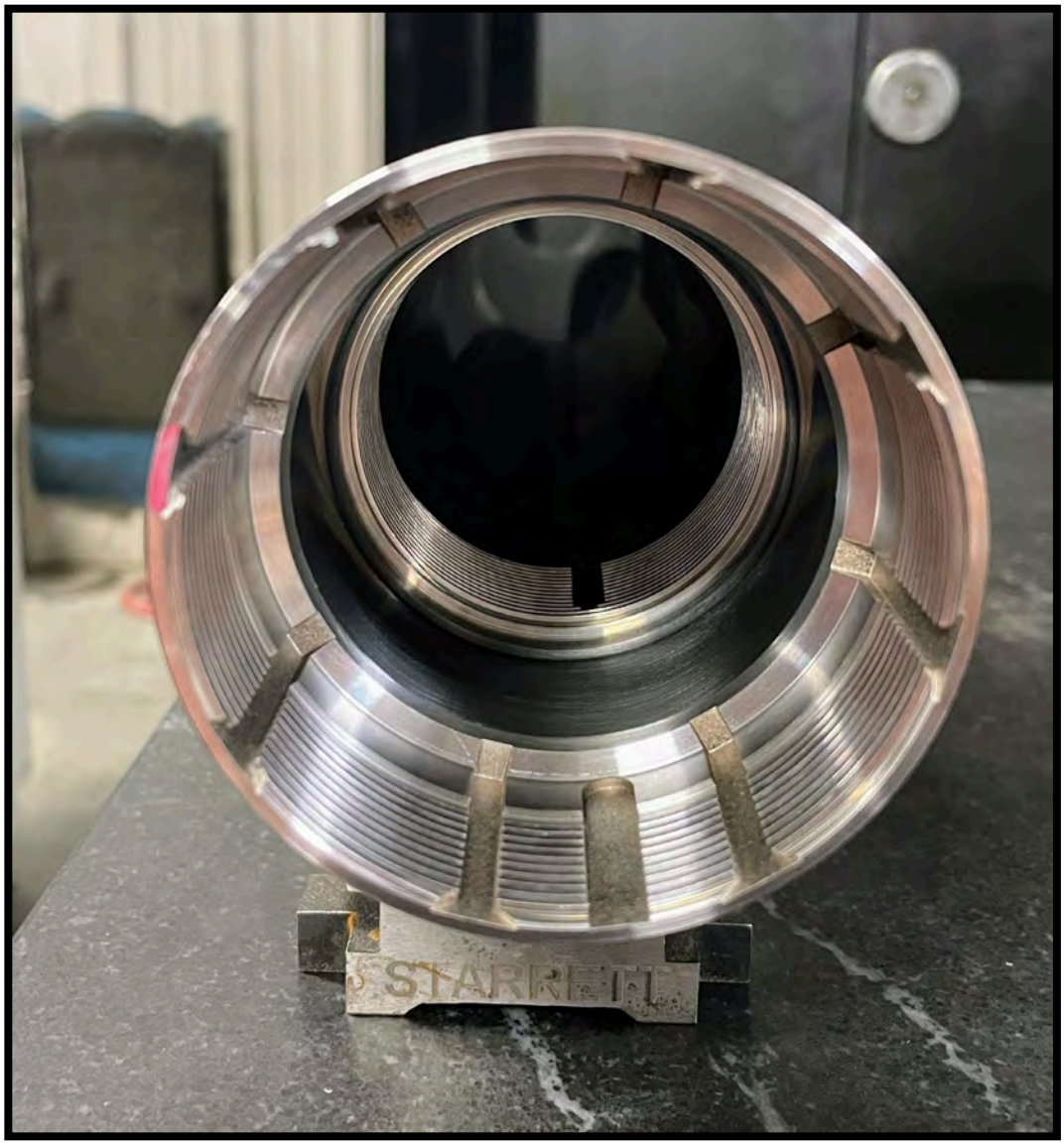
Sample Parts



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