



DUONETICS LLC

ADVANCED MANUFACTURING TECHNOLOGIES



Duonetics, LLC.
CNC lathe & mill machining • precision dynamic balancing





Duonetics, LLC.

- 1 Established: 1963
- 2 Location: Corona, CA.
- 3 Cage Code: 15G26
- 4 DUNS: 144857939
- 5 UEI: U6Y5L43QYZM8
- 6 USG Classification: Small Business



10,000 sqf Building

New Ownership

Duonetics LLC was acquired in June 09, of 2025 by Raymundo O Elias CEO and Octavio Avalos CFO as the new owners of Duonetics LLC. Combined we have over 60 Years Experience in the Aerospace, Defense, Space, Cryogenic, Energy, and Industrial Gas.

Our organization specialize in full turnkey operations from the allocation of specialty materials (castings / billets / hand forging / extrusions). We machine high precision tight tolerances $\pm .00001$ using controlled environment machinery and precision inspection equipment to measure. Duonetics will also handle your outside processes including plating, prime, paint, heat treat, and any other process specification required by the customer.

Duonetics - Delivering Quality & Customer Service since 1963

With 50 years of trusted experience, Duonetics provides Precision Complex Low to Mid volume CNC machining and precision dynamic balancing services to all facets of industry with the highest levels of quality, customer satisfaction, and integrity.



Our Services

For 54 years we've dedicated ourselves to continuous improvement, offering CNC manufacturing and precision dynamic balancing services to at the highest levels of quality and service.

CERTIFICATIONS



ITAR

Duonetics LLC is also an ITAR certified facility



Cybersecurity Maturity Model Certification Level 2 (CMMC)

Duonetics is compliant to the Department of Defense's (DoD) program to safeguard Federal Contract Information (FCI) and Controlled Unclassified Information (CUI) within the Defense Industrial Base. It ensures that any detection and response supported by sensitive Data Mode which blocks SOC access to CUI files at the level 2 code. Duonetics CMMC ensures that organizations working with the DoD meet specific cybersecurity requirements, compliance is a must-have for organizations looking to win or retain contracts

AS9100 Inspection Department

All equipment and measurement processing is managed by AS 9100D quality management system (QMS). Duonetics LLC has developed a QMS that certified to the AS 9100D & ISO9001:2015 industry standard to ensure against quality lapses on the production floor. Our QMS is an invaluable tool in the pursuit of a near zero defect production environment.

CERTIFICATIONS



ITAR
REGISTERED



Six Sigma Black Belt
Certification CSSBB

Our Expertise

Precision Engineering

Duonetics specializes in precision engineering, ensuring high-quality, tightly-toleranced components and parts for a wide range of industries.

CNC Machining

Our state-of-the-art CNC machining capabilities allow us to produce complex, custom parts with unparalleled accuracy and efficiency.

Custom Manufacturing

From prototyping to full-scale production, Duonetics offers comprehensive custom manufacturing solutions tailored to meet the unique needs of our clients.

Diverse Industries

Duonetics serves a diverse range of industries, including aerospace, automotive, medical, and more, providing specialized expertise and solutions for each sector.



beyond gravity



CUSTOMERS



Mach Industries



Business Overview

Duonetics LLC is an upcoming business poised to have a significant impact in the Aerospace, Defense, Space, Cryogenic, Energy, and Industrial Gas manufacturing sectors. We are strategically located in Corona California, a hub for our type of manufacturing activities. Our primary focus is on the manufacturing of precision complex components, which are crafted to meet the stringent standards of the industry. With a dedicated team of highly skilled employees, we are committed to delivering exceptional quality and reliability to our clients. Our physical location serves as the cornerstone of our distribution channel, allowing us to maintain close relationships with our customers and provide personalized service.

Competitive Advantage

Duonetics LLC, competitive advantage lies in our ability to provide a seamless and efficient platform that enhances the customer experience. We have developed a cutting-edge working platform that empowers our clients' purchasing teams, product designers, and engineers to access instant pricing, expected lead times, and manufacturability feedback. This platform streamlines the decision-making process and ensures that our clients can make informed choices with confidence. Our commitment to precision, quality, and customer satisfaction sets us apart in the highly competitive Aerospace, Defense, Space, Cryogenic, Energy, and Industrial Gas manufacturing industry.

Financial Summary

Duonetics is projected to achieve an impressive revenue of \$7,000,000 in our initial phase of operations, with an expected future growth rate of 15%. This financial trajectory underscores our confidence in the market demand for our specialized services and our ability to capture a significant share of the specialized manufacturing sector we support. Our strategic location in Corona, California provides us with access to a high-income customer base. Our financial strategy is built on a foundation of sustainable growth, operational efficiency, and a commitment to delivering value to our stakeholders. In conclusion, Duonetics LLC is well-positioned to become a leader primarily in the Aerospace, Space and Defense industries. Our unwavering dedication to quality, innovation, and customer satisfaction will drive our success and ensure that we remain at the forefront of this dynamic and evolving sector.

Strength Analysis Overview

Specialization in Aerospace Components

We specialize in the manufacturing of precision Aerospace, Defense, Space, Cryogenic, Energy, and Industrial Gas components that adhere to stringent industry standards. This specialization allows us to position ourselves as experts in a niche market, thereby enhancing our credibility and attracting customers who prioritize quality and reliability.

Innovative Working Platform

Our developed platform enables seamless interaction between customers, product designers, and engineers. By providing instant pricing, expected lead times, and manufacturability feedback, we streamline the purchasing process, making it more efficient for our clients and setting us apart from competitors.

Strategic Investments

Being based California in the Riverside County area, we are situated in a hub for aerospace and defense industries and will be expanding our services by moving into a 25,000 sqf facility by the 2nd quarter of 2026. The facility will be geographic located within 25 miles from our current location in Corona. This advantage allows us to tap into a network of suppliers and clients, facilitating easier logistics and fostering partnerships that can enhance our service offerings. We will be investing and additional \$1.2 Million in manufacturing Equipment, \$350,000 in additional QC equipment, \$45,000 in upgraded ERP/MRP Cloud base System, and \$150,000 in specialized Tooling.

Small, Agile Team

With a team of 15 employees, we can maintain a high level of agility and adaptability. This small size allows us to pivot quickly in response to market demands or changes, ensuring we stay relevant in a fast-evolving industry.

Commitment to Quality

Our dedication to meeting industry standards and quality assurance processes ensures that our products are reliable and safe. This commitment not only helps in building customer trust but also mitigates the risk of costly recalls or rework.

“Our messaging will reflect the high-income level of our targeted segments, ensuring that we resonate with their expectations for excellence, reliability, and long-term partnership potential.”

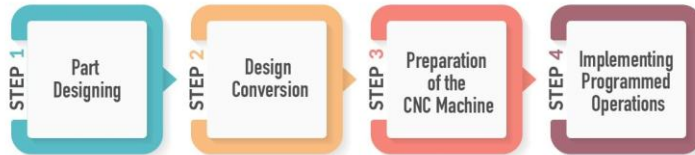


Services

- 1 CNC Machine (lathe, milling, turning, 5-axis)
- 2 Waterjet
- 3 Fabrication & Welding
- 4 Kitting & Assembly



Our Manufacturing Process

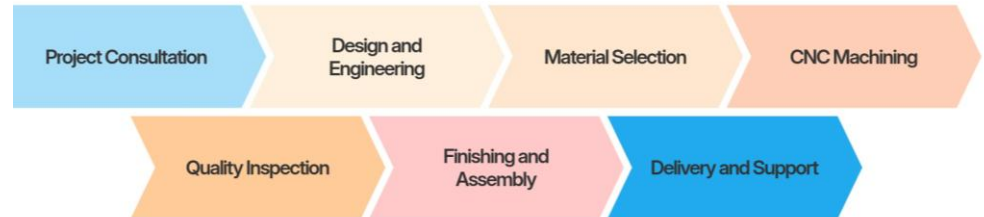


Our team of experts meets with clients to understand their specific requirements, project goals, and desired outcomes.

We utilize advanced CAD software and engineering expertise to develop detailed, customized designs that meet the client's specifications.

Duonetics carefully selects the appropriate materials based on the project requirements, ensuring optimal performance and durability.

Our state-of-the-art CNC machines are operated by skilled machinists to execute the project with precision and efficiency.



Throughout the manufacturing process, we implement rigorous quality control measures to ensure the final product meets or exceeds industry standards.

The final product undergoes any necessary finishing touches, such as polishing, coating, or assembly, to deliver a high-quality, completed item.

Duonetics ensures smooth delivery and provides ongoing support to ensure the client's satisfaction and the long-term success of the project.

DIE & MOLD

Swivel rotary table mounted on both sides for workpieces up to 1,000 kg
+ Direct Drive C-axis with 80 rpm

SEMICONDUCTOR

Highly stable and low-vibration monoBLOCK design
+ Thermosymmetrical design, high repeatable accuracy to 6µm

360°
Technology competence

E-MOBILITY / AUTOMOTIVE

HSK-A 100 interface for tools up to ø80 mm
+ linear drives in X- & Z-axes up to 100 m/min

AEROSPACE

Ideal chip evacuation due to horizontal 5-axis machining
+ speedMASTER spindles up to 30,000 rpm

ENGINEERING / JOB SHOP

Simple and flexible automation solutions from a batch size of 1
+ wheel magazine up to 453 tools, 650 mm max. tool length



CNC Capabilities

TRUE MULTI TASK "MILL-TURN CENTER"

- SPINDLE

Fixed Spindle for Turning

Milling Spindle 15,000 RPM

- 100 Degree Tilting

2,000 rpm Turning. 54 HP

Full 5-axis Machining



CNC Capabilities

Milling Department

Our FIVE milling machines range in size from our 300 mm (11.8 inches) palletized horizontal Kitamura H300 with a full 4th axis, to our twin Yamaseiki VMC1200 and VMC 800, (also with full 4th axis) vertical milling machines. Each has its unique advantages including liberal machining envelopes and rigid, high-torque spindles but all provide a range of machining capacity that allows us to handle parts over 4 feet long and almost 30 inches in height. We can even handle parts longer than 12 feet with some cleverly developed tooling

5 Axis Department

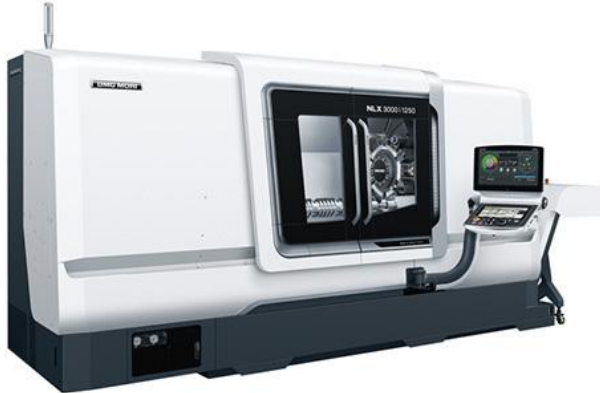
Our FDT-500HV Multi-Task Machining Center (OHTORI), DMU 60 Monoblock, and DMU 85 Monoblock large capacity 5 axis centers are state of the art and well tooled. Each is capable of on-machine Renishaw part probing/inspection for guaranteed part precision and accuracy.

Utilizing Open Mind Hyper-mill advanced CAD/CAM & Mastercam 2026 programming software our engineers are able machine the most complex geometries with little difficulty.



Lathe Department

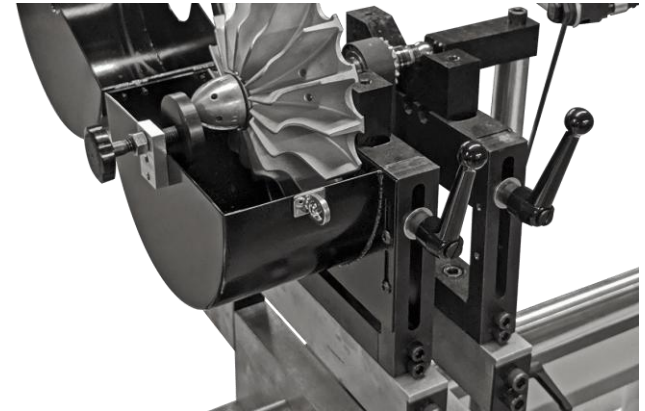
Our recently added DMG-Mori NLX 3000/700 live tool turning center greatly improves our current inventory of Nakamura Tome Slant 1, Nakamura Tome TMC II, our DMG CTX 510 live tool production turning department with 465mm diameter rotation, and 680 when turning. Our three manual engine lathes provide 2nd operation and tooling support



CNC Capabilities

Balancing Department

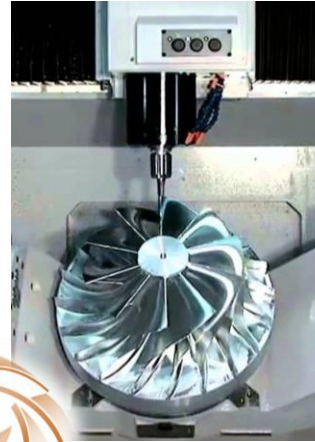
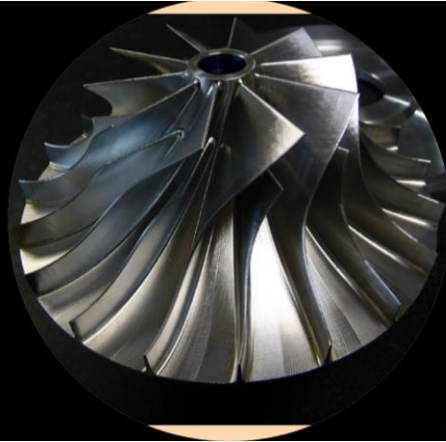
Our balancing department has machine capacity ranging from just a few ounces to 1500 lbs. of rotating weight. This includes Dynamic and Static Balancing. Each machine is calibrated to AS9100 requirements with NIST traceability.



Services

Large & Complex Spiral Inducer

Run from billet 6061 T6, large parts are commonly run including X-Ray, penetrant, precision balancing, and anodizing. Providing our customers a "One stop shop" for all impellers, inducers and similar parts.



Inspection and Balancing Equipment

• Balancing

1. Hofmann HL19.1 Horizontal
2. Hofmann HL16.1 Horizontal
3. Hofmann HL14.1 Horizontal
4. Hofmann HL 11PCC Horizontal
5. 3000LB Forklift
6. Hofmann HDR 11.1 Horizontal

• Inspection

1. Starrett Model 201816
2. Deltronic Model DH214
3. Romer Arm Absolute Inspection

Machine List

• Milling

1. DMU60 Monoblock Set Up (5 axis)
2. DMU85 Monoblock Set Up (5 axis)
3. UMC-1000SS (5 axis)
4. Kitamura H300 HMC Set Up
5. Yama-Seiki Cat 40
6. Yama-Seiki Cat 40
7. Rambaudi knee mill

• Turning

1. DMG Mori-NLX 3000/700
2. DMG CTX 510
3. DMG NL1500/SY w/Bar Feed
4. Nakamura Tome Slant
5. Nakamura Tome TMC 20
6. Graziano Sag 14
7. AI Tool room lathe



Machine List

• Waterjet

1. Intec-G2 815 (Cutting Table 2400mmx4780mm)

• Saw Cutting

1. Marvel CNC Automatic

• Shop Support

1. Sunnen model MBB 1690
2. Darex Model E-90
3. Rockwell/Delta 3 position drill table
4. Misc Presses & Welders, ect

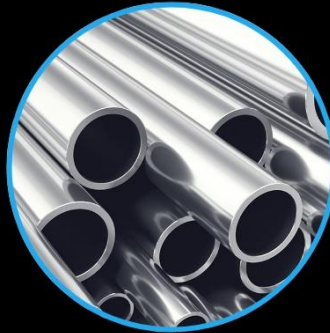




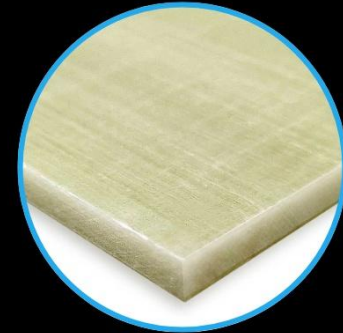
Materials



- Titanium
- Castings
- Armor Plate
- Inconel
- Aluminum

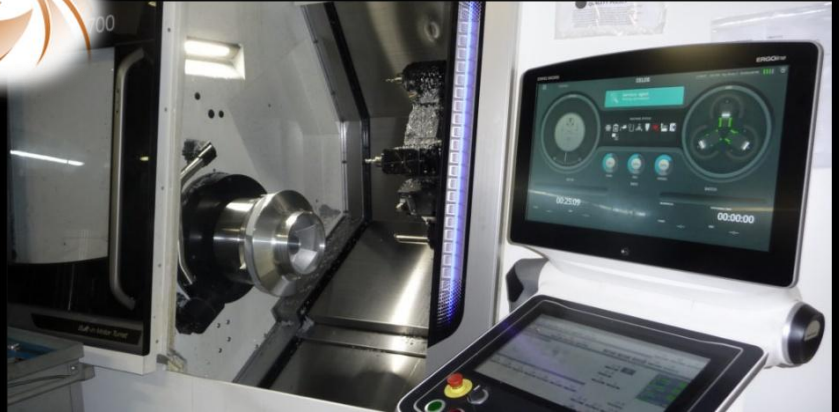
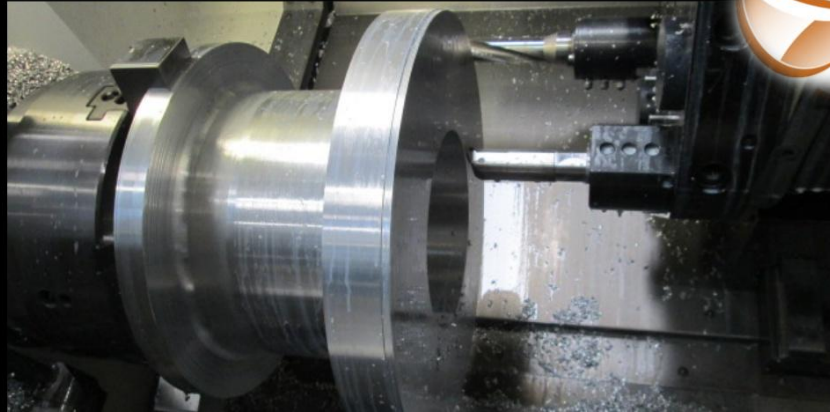
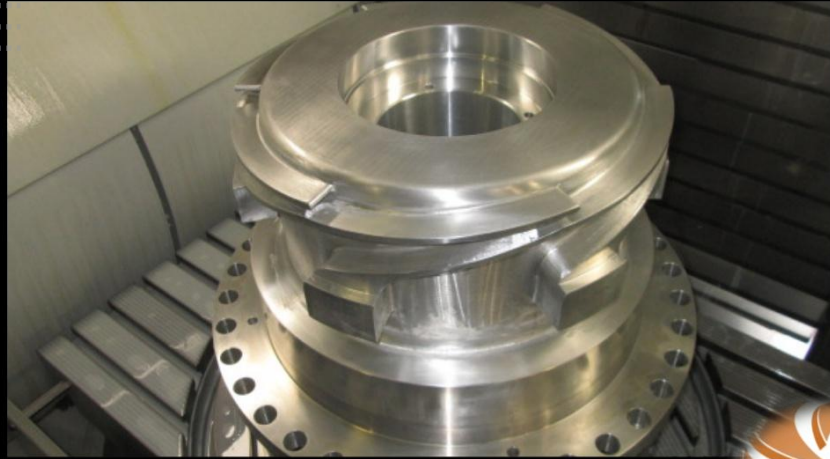


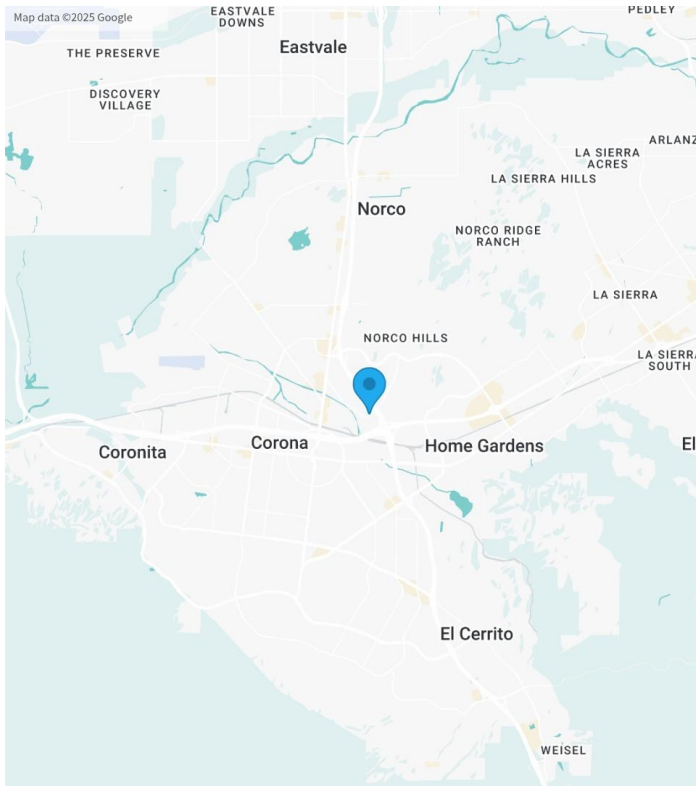
- Stainless Steel
- Alloy Steel
- Super Duplex
- Nitronic 50
- G10 and G11



- Carbon Fiber
- Maraging Steel
- Honeycomb
- Exotic Material
- K-Monel






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