DYE PRECISION CNC, INC.

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©DYE Precision CNC, Inc.

QUALITY | INNOVATION | TECHNOLOGY

PRECISION **MILLING** & **TURNING**

Dye CNC (an AS9100, ISO and ITAR Certified Company) is a premier machine shop in San Diego, California with over two decades of machining experience for the defense, aerospace, automotive, aviation, medical, electronic, and general high technology industries.

Dye Precision CNC, Inc.
Since 1994

Location
San Diego, California

Countries Served
Global

Building Size
36,000 Sq. Ft.

ONE OF THE LARGEST AND MOST QUALIFIED MACHINE SHOPS IN SOUTHERN CALIFORNIA.

DYE PRECISION CNC MISSION STATEMENT

- To create an advanced machine shop that services the Aerospace, Military, Defense, Medical, Electronic, Automotive and Technology driven industries.
- To provide our customers with a complete array of services including part manufacturing, engineering, fabrication, consulting, LEAN method processes, procurement, outside process control, added value solutions & vertical project management.
- To provide a full complement of CNC manufacturing methods with advanced state of the art equipment in 5th Axis milling and turning technology, as well as additional ancillary equipment support.
- To be a successful resource for all our customer's project needs, providing them quality, on time delivery, cost competitiveness and partnership reliability support.

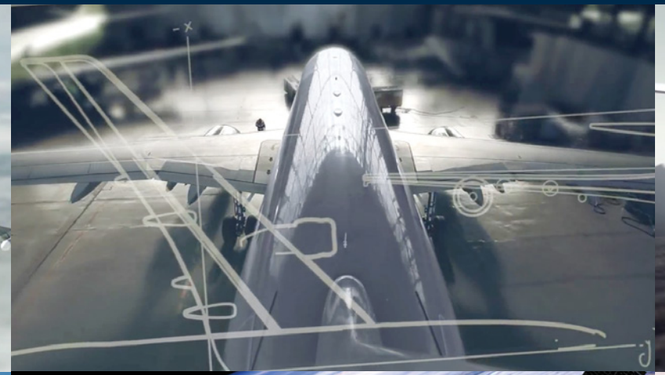
DYE PRECISION CNC'S FOUNDATION FOR SUCCESS

- Dye Precision CNC strives to be the solution for our customers in the Aerospace & Defense machine parts industry. Our strength is our dedicated staff and our continued commitment to excellence by servicing our customers in a partnership like relationship.
- Quality, on time delivery, dependability, competitive pricing and customer service are the keys to supporting our customers, which in turn supports their success. Working together as one, Dye CNC succeeds when our customers succeed.
- Lean technology methods, machine diversification, advanced 5th axis equipment and cutting edge software systems are the backbone of our competitive advantage.
- Dye CNC employs a forward looking philosophy, always striving for perfection and building a reputation our customers can depend on. Our mission is to be recognized as the premier Aerospace & Defense CNC parts manufacturer in the United States.

A CONTINUOUS COMMITMENT TO EXCELLENCE

INDUSTRIES WE SERVE

Aerospace, Military, Defense, Medical, Electronic, Automotive and Technology driven industries.



BOEING TESLA CUBIC Global. Innovative. Trusted. SANDEL NASA NORTHROP GRUMMAN Solar Turbines A Caterpillar Company Orbital ATK GENERAL ATOMICS CYMER An ASML company DAYLIGHT SOLUTIONS qorvo

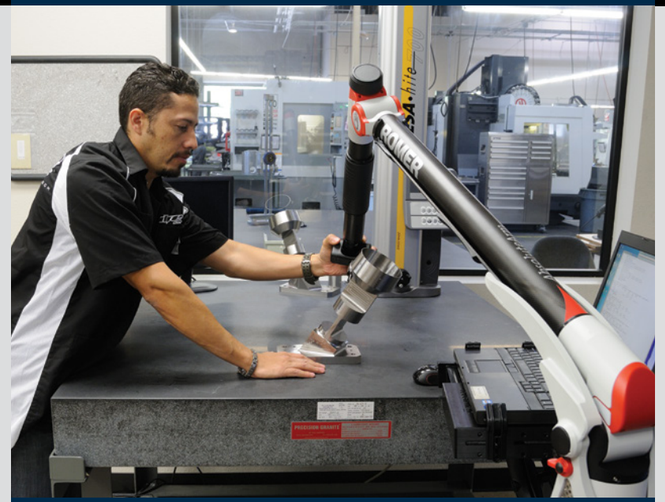
QUALITY CONTROL

In the CNC business, you're only as good as your quality systems. We keep a sharp eye on every step of the CNC workflow. At DYE, quality control is the most important part of our process.

MATERIALS

Commonly Used

Titanium
Stainless Steel
Copper
Beryllium Copper
Covar
Waspaloy
Delrin
Teflon
Inconel
Hastelloy
Low Carbon Steel
Medium Carbon Steel
Cast Iron
Nylon
Peek Plastic
Aluminum
Aluminum Bronze
Tool Steel
Macor
PVC
And More...



Dye CNC employees take great pride with the work we do for the U.S. Military, helping keep our troops safe on the ground, on the sea and in the air.

INSPECTION EQUIPMENT

Brown & Sharpe CMM
Romer Arm Portable Inspection Cmm (8' Diameter)
Mitutoyo Automated Vision System
Mitutoyo Optical Comparator
Standridge Granite Surface (5' X 10' X 8")
Precision Granite Surface (4' X 4' X 6")
Tesa Tech Digital Precision Height Gauge
Multiple Pin Gauges
Calipers
Height Gauges
Micrometers
Multiple Pin Gauges
(5) Surface Plates
Tesa Height System

SOFTWARE

SolidWorks (primary)
JobBOSS 2012 (ERP)
Open Mind hyperMILL
Catia
MasterCam X6
Pro/E
PC-DMIS 2012
Inspection Xprt
Rhino
Creo CAD

QUALITY | INNOVATION | EXPERIENCE | SUPPORT | RELIABILITY

Hermle Model C42 U MT

Mori-Seiki MNV-5000

DMG DMU-50

Mori-Seiki NZX-2000SYZ

FULL SIMULTANEOUS 5 AXIS CAPABILITY!

EQUIPMENT

MILLING

Handling parts up to 5' X 10' in size

(1) 5th Axis - Hermle Model C42 U MT, CNC Vertical Machining Center (high speed 40 station tool changer)
(1) 5th Axis - DMG DMU-50 (high speed 60 station tool changer)
(1) 5th Axis - Mori Seiki NMV5000 (5 pallet, 320 station tool changer)
(4) Vertical Mills - Haas VF4-SS Vertical 50. X 20. X 25.
(2) Vertical Mills - VF-3-SS Vertical 30. X 16. X 18.
(3) Vertical Mills - VF-2-SS Vertical 30. X 16. X 18.
(1) Haas GR-510 Gantry with 10' X 5' milling capability
(3) Horizontal Mills - Haas EC 400 (2 pallet)
(1) Haas Mini Mill
(1) Sunnen Honer

MILLING & TURNING COMBINATION

(2) MORI SEIKI NZX-2000SYZ (twin spindle, twin turret)
(1) MORI SEIKI NL2500SY
(1) MORI SEIKI NL2000SY

SUPPORT EQUIPMENT

(1) AMADA CNC SAW AND BAND SAW
(1) AUTOMATIC PEM MACHINE
(1) MBA BEAD BLASTING MACHINE
(7) LANG CLAMPING SYSTEMS
(1) TROTEC SPEEDY 300
(1) FLEXARM
(1) AUTOMATIC HELICOIL MACHINE

FROM YOUR CONCEPT TO CREATION

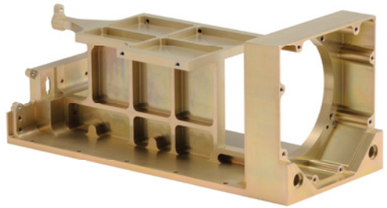
We work with a wide variety of materials and our products exceed industry standards such as MIL, RoHS, and ANSI.

Compactor Unit

Toggle Arm

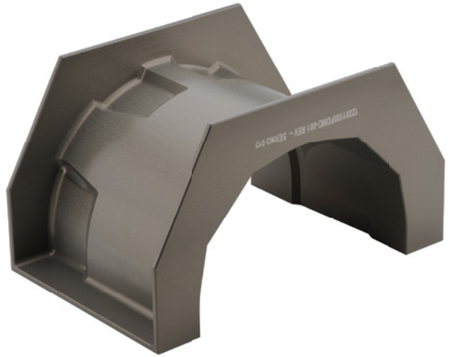
Landing Foot Mount

Landing Foot Mount



Electronic Bench Chassis

Turbine Component



Impeller Housing

Coolant Fitting

Flow Fitting

Military Rifle Component

5 Axis Gimbal

Flow Hub

Camera Gimbal

Camera Ring

Pod Band

Hydraulic Interceptor

Electrical Heat Sink

Data Link Housing

Bio Inverter Cylinder

Pod Band

Communications Box