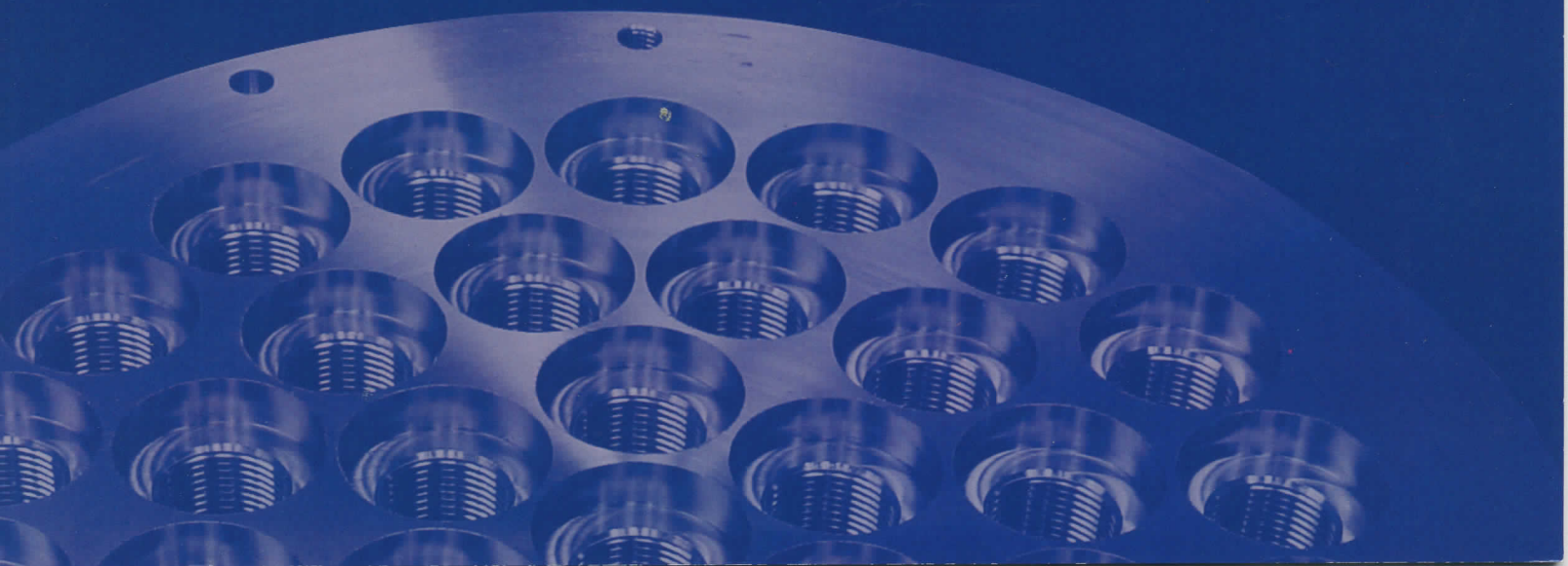




**DIAMOND TOOL & DIE, INC.**

*CNC Machining and Manufacturing Since 1968*





*Donald Holt, Founder  
(1934-2004)  
Assembling a Beltwinder  
for artificial kidney  
manufacturing, 1970.*

## **History**

Diamond Tool and Die was started in 1967 by its founder Donald Gene Holt. It began as a one-man job shop in Donald's home garage. In 1968, Diamond Tool and Die incorporated and moved into its new home at 508 29th Avenue. At that time it was only a 2,500 square foot wooden building.

In the early 1970's, Diamond Tool and Die helped design and manufacture artificial kidney dialysis machines and support equipment. Donald also designed and patented his revolutionary quick change tooling system known as Immotion. Throughout the 70's and 80's Immotion was manufactured and sold all over the world by Diamond Tool and Die.

In the early 1980's, Diamond Tool and Die had built its first of six buildings and had grown to fifteen employees. DTD introduced a gas purifying product line known as LabClear™ and began a tooling distributing company known as The Tool Crib. In the late 80's DTD merged with another machine shop



*The machining of a pressure vessel*



Restoration of the ship's telegraph on the U.S.S. Hornet.

known as ApSCO Manufacturing, became an ESOP (Employee Stock Ownership Plan), and introduced a moisture trap product line known as OxiClear™.

In 1993 Darrell Holt and Dan Welter became President and Vice President of the Corporation. The company soon became certified to manufacture nuclear fuel rod components and became a tailored ISO 9002 DoD (Department of Defense) contractor.

Today, Diamond Tool and Die is housed in a 30,000 square foot facility. There are over thirty-five employees/owners and they have over 75 machines on the floor (40 CNC Mills, Lathes, EDMs, and CMMs). There is a full time Inspector and Chemical Engineer on site. DTD has in house Accounting, Programming, Job Costing, Quoting, Material Tracking, and Shipping and Receiving Departments.

## Some Industries for Whom We Provide Services

Aerospace, Automation, Amusement Park, Automotive, Bio Fuel, Carbon Manufacturing, Chemical & Pharmaceutical Manufacturing, Communications, Construction, Defense, Electromagnet, Food Processing, Fuel Cell, Geothermal, Hydropower, Laser, Light Rail, Locomotive, Marine, Medical, Motion Control, Nitrogen Generation, Nuclear, Oil, Pump Manufacturing, Professional Sound, Robotics, Semiconductor, Solar, Telescope, University Research, Water Purification and many others.

## Employee Owned Company

What makes us stand out from other machine shops is that we are employee owned and operated, so our employees care more about your projects.



Investment castings being machined and inspected.

***Diamond Tool and Die is where an owner makes every part.***

## Charities We Support

Elks; Boys and Girls Club; Meals On Wheels; Boy and Girl Scouts; Special Olympics; Youth Basketball, Baseball, Soccer, Volleyball and Cross Country.

## Fun Projects

“The Mummy” ride at Universal Studios in Orlando Florida. (Miscellaneous parts for robots such as fingers, feet, jaws and eyeballs.)



34" Spherical Dome on our LB45



Connecting rod for a diesel engine.



Operator inspecting parts on our Zeiss Contura.

## We Use the Latest Programming Software

Diamond Tool and Die uses a combination of Mastercam™, Geopath™, Pathtrace™ and Calypso™ software, giving us the ability to work with most file formats.



Our newest Okuma LB45.



Preparing Pressure Vessel Component for inspection.

## Contact Information

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508 29th Avenue  
 Oakland, CA 94601



## Equipment List

### 1 Zeiss Contura CMM

- Universal 3-D CMM with active scanning probe head.

### 2 Sheffield CMM

- Cordax 1808 DCC MEA 30" x 54"

### 1 Zeiss Eclipse

- With Renishaw Probe

### 3 CNC Horizontal

- Okuma with full probing

### 12 CNC Turning Centers

- Okuma & Mori Seiki with sub spindle capabilities & up to 33" swing

### 14 CNC Machining Centers

- With 4th Axis capabilities

### 10 Lathes

- Up to 40" swing

### 2 Wire EDM

- Agicut, with auto threader

### 11 Vertical Mills

- Hurco • Bridgeport

### 1 Horizontal Mill

- 76" X 46"

### 2 Surface Grinders

### 1 Precision OD/ID Grinder

### 6 Saws

- Power feed & cold cut

### 2 Sunnen Hones

### 6 Welders

- MIG • TIG • ARC • Oxy-Acetylene

### 1 Okuma LB45-2000

- Slant Bed 33" swing with a 78" center to center

### Wasino G-6/SR-1

- Robotic gantry lathe



*Aerospace parts being inspected.*



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