



DAMERON ALLOY FOUNDRIES



FACILITIES LIST – FOUNDRY OPERATIONS

Manufacturing Facilities :

Compton, CA. - 90,000 Sq. Ft. Foundry (Dameron Alloy Foundries – Corporate Facility)
 Louisville, KY. – 28,000 Sq. Ft. Foundry (Daferco/Truecast – two production sites)

Operational Equipment :

<i>INVESTMENT CASTING EQUIPMENT</i>	DAMERON	Daferco/Truecast
Double Nozzle Injection Units	4	3
Wax Presses (15 through 60 Ton Presses plus an overhead crane)	6	5 (1 paste press)
Fully Automatic Wax Press	1	2
Triple Nozzle Wax Injection Unit/Cell Set-up Station	2	--
Shell Robotic Dipping Systems : 48" to 52" Dip Tanks	2	1
Shell Room Conveyor Transport System	900 ft.	300 ft.
Autoclave Wax Removal System	1	1
Maximum Casting Weight	275 lbs.	60 lbs.
<i>SAND MOLDING OPERATIONS</i>		
Continuous Loop Isotherm Air Set Sand Delivery System Pattern Size Capacity : 36" X 60" max.	1	
Maximum Casting Weight	700 lbs.	
<i>SHELL MOLDING OPERATIONS</i>		
Shelco Automatic Thermal Resin Hot Shell Molding System Pattern Plate Size Capacity : 12" X 15"	1	
Maximum Casting Weight	40 lbs.	
<i>POURING OPERATIONS</i>		
Induction Melting Furnace – 75 kw	1 (50 lbs.)	1 (50 lbs.)
Induction Melting Furnace – 175 kw	1 (500 lbs. & 1000 lbs.)	1 (400 lbs.)
Induction Melting Furnace - 325 kw Dual Track	2 - 500 lb. capacity	2 – 400 lb. capacity
Burnout Ovens	3 (1 double)	4 (1 flash fire)
<i>FINISHING OPERATIONS</i>		
Automatic and Manual Metal Cutting and Grinding Equip.	Various Sizes	Various Sizes
Automatic Wheelabrator SST and Steel Shot Blasting System	2	2
Tumbler Steel Blasting System	1	1
Manual Sandblasting	4	2
Automatic Ceramic Knock-out units	1	1
Pressure Testing Units	Various Universal Setups	--
Hydraulic Straightening Presses	3	2



DAMERON ALLOY FOUNDRIES



FACILITIES LIST – MACHINING OPERATION

Compton, CA. – 7,500 Sq. Ft. Machine Shop (DAFTEC)

CNC MILLS :

- (1) HAAS VMC -- VF-6
64" x 32" x 30" (20hp) 4-axis capabilities
- (2) HAAS VMC -- VF-3
40" x 20" x 25" (15hp) 4-axis capabilities
- (2) MAHO MH600 E2
19" dia. rotating table (vertical and horizontal milling)



CNC LATHES :

- (3) Okuma — LB-15
(2-axis) 12" swing
- (2) Okuma — LR-15
(4-axis) 12" swing
- (2) HAAS
HL-2 (2-axis)



MANUAL EQUIPMENT :

- Bridgeport Mill -- 42" x 10" (table)
- (2) Hwacheon Engine Lathe -- 18" swing
- Burgmaster #1D Turret Drill
- (2) Automated Polishing Equipment
- Anderson VSW 3000 – Automated Parts Washer
- Deburring, Finishing and Automated Marking Equipment



QUALITY CONTROL -- INSPECTION EQUIPMENT :

- Starrett — HGC 24-24-18 — CMM
- Gage Master — 29GMX Plus — 14" Optical Comparator
- 18" - Height Gages
- Gage Block Sets
- (0.010" - 0.625") Gage Pin Set
- Various Thread Plug and Ring Gages
- Various Micrometers – ranging from 1/2" to 12"
- Mititoyo Surface Tester
- 36" X 48" - Granite Table



CAD-CAM CAPABILITIES :

If there is a need for special programming we are capable of doing in-house programming. We currently run:



ACAD 2000i (Design)
Surfcam V7.1 (Machining)
SDRC Ideas 9 (Design, Modeling and Machining)