



**Desert Precision  
Mfg., Inc.**

## *Facilities List*

for

Desert Precision Mfg., Inc.  
4095 N. Highway Drive  
Tucson, AZ 85705  
Phone (520) 887-4433  
Fax (520) 293-9718  
Website [www.desertprecision.com](http://www.desertprecision.com)  
Email [info@desertprecision.com](mailto:info@desertprecision.com)

~ Office and Manufacturing Facility consisting of 17,000 square feet total ~

### ***Serving Science & Industry Since 1984***

#### **Markets We Serve:**

- Aerospace
- Commercial
- Communications
- Electronic
- Industrial
- Laboratories
- Medical
- Military

~ ***Prototype through Production to Customer Specifications*** ~

#### **Custom Fabricated Products We Provide:**

- Brackets
- Chassis
- Computer Housings
- Electronic Enclosures
- Instrument Panels
- Louver Panels
- Medical Devices
- Metal Cabinets
- Racks
- Test Fixtures
- Tubular Assemblies
- Weldments

***Your Single Source  
for  
Complete Product Fabrication***

## **Major Fabricating Equipment**

### **CNC Laser Department:**

- 1 - Mitsubishi 1212 HD Laser
  - 48" x 48" Machine Travel
  - 3/8" Mild Steel Capacity
  - 3/16" Aluminum Capacity

### **CNC Punching Department:**

- 1 - Strippit ST-1212
  - 20 Ton Capacity
  - .250 Material Thickness
  - 29 Tool Station Turret Punch Press
  - 3 Standard Auto Index Stations
  - Handling workpiece 49" x 98"
    - Larger workpiece can be handled by clamp repositioning
- 1 - Strippit Custom AG Semi-Automatic CNC Fabricator
  - 30 Ton Capacity
- 1 - Amada SP30 CNC Punch Press
  - Triple Track Turret
  - 33 Ton Capacity

### **CNC Forming Department:**

- 1 - Amada RG80 Press Brake with NC9 EX2 CNC Back Gauge
  - 88 Ton Capacity
  - Maximum bending length 98.6"
- 1 - Amada RG-50 Press Brake with NC9 EX2 CNC Brake Gauge
  - 55 Ton Capacity
  - Maximum bending length 82"
- 1 - Diacro 14-48 Hydra-Mechanical Press Brake
  - 17 Ton Capacity
  - Maximum bending length 48"
- 2 - Diacro Model 8 Power Benders
  - Maximum radius capacity 24"
  - Maximum degree of bend 360°
  - Hydraulic pressure 1200 PSI
  - Material Capabilities:
    - Round Mild Steel Bar - 1"
    - Steel Tubing - 1.5" OD
    - Standard Iron Pipe - .1 IPS
    - Flat Steel Bar (easy way) - .375" x 4"
    - Flat Steel Bar (hard way) - .375" x 1"

### **CNC Forming Department, continued:**

- 1 – Carrel CPHV-70 Tube Bender
  - Dual LED Digital Displays
  - Material Capacities:
    - Flats (hard way) – 2” x 5/16” Ø16
    - Flats (easy way) – 2-3/8” x 5/8” Ø18
    - Square Bar – 1” Ø12
    - Angle (Leg Out) – 2” x 3/16” Ø24
    - Angle (Leg In) – 1-1/2” x 3/16” Ø18
    - Tee (Leg Out) – 2” x 1/4” Ø20
    - Tee (Leg In) – 1-1/2” x 3/16” Ø20
    - C (Leg Out) – 2” x 1-1/2” Ø16
    - C (Leg In) – 2” x 1” Ø200
    - Round Bar – 1-3/16” Ø14
    - Pipe, Sch 40 – 1-1/4” Ø20
    - Round Tube – 2” x 16 gauge
    - Square Tube – 1-1/2” x 14 gauge
    - Rectangular Tube – 1-1/2” x 3-4” x 13 gauge

### **Shearing and Notching Department:**

- 1 - Amada M-2060 Power Shear
  - Maximum cut length 78.7”
  - 1/4” Mild Steel capacity
- 1 - Amada CS-220 Corner Shear
  - 1/8” Mild Steel capacity
- 1 - Diacro M24 Power Shear
  - 16 gauge capacity

### **Machining Department:**

- 1 – Victor JF-4EVS Mill with Newall C80 Digital Readout & Power Feed
  - 10” x 54” Table
  - Longitudinal Travel 40”
  - Cross Travel 16”
  - Vertical Travel 16”
- 1 – Supermax YC- 1-1/2 V6 Milling Machine with Digital Readout
  - 9” x 49” Table
  - Longitudinal Travel 34”
  - Cross Travel 12”
  - Vertical Travel 16”
- 1 – Doringer Cold Saw Model D-350
- 1 – Lantaine 350BH Precision Bench Lathe

**Machining Department, continued:**

- 1 – Mitsui Surface Grinder Model #200MH
- 1 – Strippit Punch and Die Grinder

**Finishing Department:**

- 1 – Jonsen Finish Pro Surface Grinding & Polishing Machine
- 600mm wide capacity
  - 0-80mm working thickness
- 2 – Dayton 62116A Belt Sanders
- 1 – Balder 6” Buffer/Grinder
- 1 – RYOBI 8” Grinder
- 1 – Kalamazoo Combination Belt-Disc Sander
- 1 – Ultramatic Portabur 5 Vibratory Deburr Machine
- 3 cubic feet capacity
- 2 – Burr Bench Vibratory Deburr Machines
- 2.5 cubic feet capacity
- Miscellaneous deburring equipment including angle grinders, sanders, etc.

**Welding Department:**

- 1 - Amada Spot Welder Model ID-40-ST
- 1 – Miller Syncrowave 250
- 1 – Miller Syncrowave 300
- 1 – Miller 250 Heliwelder
- 1 – Millermatic 200
- 1 – Miller Spectrum 500 Plasma ARC
- 1 – Peer 35 KVA Spotwelder AR-335 F.I.M. Electronic Controls

### **Paint & Silkscreen Department:**

- 1 – Spray Booth 14' x 27'
- Miscellaneous spray painting equipment
- 1 – Odyssey Lumitron Exposure Unit
- UV Fluorescent Screen Exposure System 23" x 31"
- Miscellaneous silk screening equipment

### **Hardware Installation Department:**

- 1 – GPT Model 8000 CSA Hardware Installation Press
- 1 – Haeger 618 Press
- 6 Tons of Force

### **Inspection Equipment:**

- 1 – 40" x 40" Granite Surface Plate
- 1 – Starret Surface Plate
- 18" x 24"
- 1 – Brown & Sharpe Surface Plate
- 18" x 24"
- 1 – 24" Draper Height Gage
- 1 – 24" Kannon Vernier Calipers
- 1 – 40" Kannon Vernier Calipers
- 1 – Gage Block Set Grade AA
- 88 piece set
- Pin Gages
- .031 to .500
- 1 – Microvu H14 Optical Comparator
- 1 – Brown & Sharpe 12" Height Gage
- 1 – Mitutoyo 24" Digital Height Gage

### **Miscellaneous Fabricating Equipment:**

- 1 – Metalex Model FN-M616 Notcher • 16 gauge capacity
- 1 – Jet SR-2024 Sheet Metal Roll • 20 gauge x 24” capacity
- 1 – Jet Band Saw
- 1 – Niagra Model 3 X 36 Sheet Metal Roll • 16-14 gauge capacity
- 4 – Whitney Jensen Kick Presses
- 5 – Drill Presses
- 1 – Benchmaster Punch Press • 7.5 ton capacity
- 1 – Alva Allen Punch Press • 12 ton capacity
- 3 – Air Compressors
- 1 – Econoline Abrasive Blast Cabinet
- 1 – VWR Model 1645D Batch Oven
- 1 – Cascade TEK TFO-10 Forced Air Lab Oven • Temperature Range +5°C to 260°C
- 1 – 48” Chicago Box and Pan Hand Brake
- 1 – 24” Diacro Brake
- 1 – 24” Pexto PX24-A Finger Brake
- 1 – Tennsmith SR24 Sheet Metal Roll • 20 gauge x 24” capacity

***ISO 9001:2008 Certified***