



HV Facilities and Equipment

Two State-of-the-Art Facilities / 203,000 Square Feet / 200+ Employees

Utilizing hundreds of metal manufacturing machines to produce stampings and fabrications from one millimeter to 36" x 96" while maintaining the closest, most exacting tolerances using any stampable material.

Metal Stamping • Fabrication • Machining • Waterjet Cutting • Powder Coating

COMPLETE TOOL ROOM FACILITIES: 15+ Experienced Toolmakers – Dedicated CNC Machining Centers (3 Axis with 20 Tool Changer) – **5 Wire EDM Machines** – Complete Programming Center – 1 Conventional EDM Machine – Jig Drilling Machines – Vertical and Horizontal Milling Machines with Digital Readouts – 4 Tool Room Lathes – 5 Surface Grinders – Sawing Machines – Drill Presses – 150-Ton Hydraulic Arbor Press – 3-Ton Bridge Crane – Blanchard Grinder.

PUNCH PRESS DEPARTMENT: Over 200 Presses, Capacity Ranging From 10 to 400 Tons, Equipped with Quick Change Set Up, Air Ejection, Pneumatic Cushions, Coil Reels and Straightening Feeders, Including:

1 – Brown & Bogs 400 Ton Straight Side Press. Bed Size 48" x 96", Speed 30 To 60 SPM Fully Integrated Die Change and Feed Line System, Maximum Coil ¼" x 32" x 12,000 lbs.

1 – Bliss 300-Ton Straight Side Press. Bed Size 54" x 96", Speed 30 to 120 SPM Fully Integrated Die Change and Feed Line System, Maximum Coil ¼" x 32" x 8,000 lbs.

1 – Bliss 150-Ton Straight Side Press. Bed Size 36" x 60", Speed 50 to 120 SPM Fully Integrated Die Change and Feed Line Systems, Maximum Coil 3/16" x 18" x 5,000 lbs.

1 – Greenard 75-Ton Hydraulic Press. For Draws up to 4 inches.

FABRICATING AND PROTOTYPES: 4 Lasers: (1 Trumpf L3030 6,000 Watt Fiber Laser with Dedicated 8-Pallet Tower System, 2 Trumpf L3030 4,000 Watt Lasers with 8-Pallet Tower System, and 1 Mazak Super Turbo X Mark II; 1,500 Watts, 4 x 8 Sheet Capacity) – 2 Turrets (Amada Servo AE2510NT and Amada Vipros 255 Turret Press with Automated Load/Unload) – 12 Press Brakes (3) 8', (5) 10' and (4) 12' with Micro Processor Controls Plus 3 with CNC Axis Back Gage – Flow Mach 3, 5-Axis Waterjet.

SECONDARY OPERATIONS DEPARTMENT: Drill Presses and Tapping Machines for Drilling, Reaming, Tapping, Countersinking and Counterboring Holes – Spot Welding – TIG/MIG Welding – 600 Amp High Speed Fanuc 5 Axis Robotic Weld Cell (30" x 40" Capacity) – Arc Welding – Component Assemblies – 3 Straightener/Leveling Machines – Hammerle TRM 50/750 Precision Flat Metal Roll Leveling Machine – 8 Haas CNC Machining Centers.

DEBURRING DEPARTMENT: 4 Vibrating Units – Belt Sanders – Grinders – 4 Timesaver Sanders with Automatic Parts Washer/Rust Inhibitors – FT-32 Flo Thru Tumbling Machine – Straightliner – Surface Finishing Machine w/ Fiber/Wire/Abrasive Capabilities – Parts Washer.

INSPECTION DEPARTMENT: Coordinate Measuring Machine (CMM) Global Image 575 Brown & Sharpe, Coordinate Inspection Machine (CIM) with Hewlett Packard HP85 Computer – Micrometers – Indicators – Hite Indicator – Height Gauges – Gauge Blocks – Surface Plates – Optical Comparator – Rockwell – Hardness Tester – Go-NoGo Gauges – Optical Profile Projector (20X), Virtek Laser / QC Scanning System – 4 Camera 100% Inspect Vision System for Assembly or Inspection.

POWDER COATING: 470 FT Automated Line - 5-Step Cleaning Process - Environmental Room & Touch Up Batch Booth

ASSEMBLY DEPARTMENT: 16 Automatic Hardware Insertion Machines – 4 Riveting and Staking Machines - D4 Atlantic Barcode Label Machines – 3 Aro Drilling Machines – 1 Proconier Drilling Machine – Numerous Machines/Facilities Automated for Project Specific Component Assembly and Verification.

MATERIALS WAREHOUSE: 71,000 Square Foot Warehouse. Over 1,500 Different Types and Gauges of Materials Certified to Physical and Chemical Properties. Isolated and Secured Storage Area for Special Materials – 3 Shears, Capacity 12 Feet, ¼" Thick.

DOCK AREA: 5-Ton Bridge Crane – Hand and Fork Trucks – 12,500 lb. Counting Scale.

CUSTOMER MANAGED INVENTORY WAREHOUSE: Customer Part Stock System for Just In Time and KanBan Delivery to Customer Dock or Warehouse – 3rd Party Warehouse.

SHIPPING: 12 Ship Docks – Air – Parcel Post – Truck – YRC – UPS – Fed Ex – 5 Counting Scales (Small Parts Plus 5,000 lb. Scale) – Complete Inventory of Packaging Materials – 3 Delivery Trucks (including 1 Semi-Trailer) – Bar Coding – Auto-Bagger.



Transmission of Electronic CAD files:

Conversion: We will also attempt to convert many other formats using conversion tools available, but the above formats offer the greatest chance of success. Harvey Vogel Manufacturing Co. can accept a variety of CAD files, whether in native format or in a compatible middle ground.

The fastest and easiest way to send drawings is via email directly to the Account Manager you are working with. A complete list of email addresses is on our web site at www.harveyvogel.com

We can also receive CAD files on CD-ROM and DVD (ZIP compressed or uncompressed). On request, we can download via FTP from your site.

When sending a large number of drawings (50 or more), it is preferable to have them on CD-ROM via regular mail or package delivery service.

CAD Files:

Part Drawing Files: For 2D Drawing files only, a **.DXF** or **IGS (IGES)** format is acceptable.

Solid Models or Wire Frame Files: Files preferred to be received in **.STEP** or **.XT** format.

SolidWorks Files: for (Solid Works) files, **.sldprt** or **.sldasm** files are acceptable.

Pro-Engineering Files: (Wild Fire) .prt files are acceptable.

Auto-Cad Files: DWG files are acceptable.

Other Systems:

Drawings: Our native format is KeyCreator **.CKD** files. This is a new version of Cadkey. As with the above, we can also use the same files and bring them directly into KeyCreator.

Non-Import formats: We can print drawings for the following formats for quoting, but **cannot** directly use them in CAD programs for production purposes:

.GIF .JPG .BMP .PCL .RAS .TIF

We can also print documents sent in Adobe Acrobat **.PDF** format.

