

## Automation

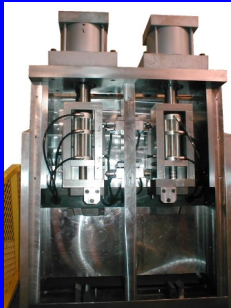


**Assembly Line Machine**

Northern Valley Machine designs and builds automated and manual fixtures for assembly line manufacturing. These assemblies include:

- ▶ Weld Fixtures
- ▶ Assembly Line Inspection Fixtures
- ▶ Presses
- ▶ Automatic Saws
- ▶ Automatic Drills
- ▶ Coping machines.

Northern Valley Machine's engineers can take your project from concept to finished product and meet your budget and deadlines.



Because Northern Valley Machine has its own machine shop, engineering and assembly department, they can provide a cost effective solution with a quick turnaround. Contact Northern Valley Machine today and find out how they can help you.



An Industrial Control Panel

### UL 508A Panelshop



As a UL Listed Panel Shop, Northern Valley Machine uses only quality UL listed electrical components. All electrical panels include panel layouts, schematics, parts lists, software diagrams, field wiring diagrams, and operating instructions.

### Quality Control

Northern Valley Machine has personnel dedicated to maintaining quality products by either sample inspecting parts, or inspecting every part per your requirements.



Quality Control Room



## Machining



## Machining and Automation

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# Equipment

## 5-Axis Machining Center

- Hurco VMX60SR (60" x 26" x 24")

## Vertical Machining Centers

- Hurco VMX84i (84" x 34" x 30")
- Hurco VMX42 (42" x 24" x 24")
- Hurco VMX30i (30" x 20" x 24")
- Hurco VMX30 (30" x 20" x 24")
- Hurco VSX24 (24" x 20" x 24")
- Hurco VMX24 (24" x 20" x 24")
- OKK MCV560 (41.34" x 22.05" x 22.05")

## Bridge Mills

- KAO-MING KMC-6000SV-H (234.5" x 54.1" x 30.5")
- Mighty Viper (118.11" x 100" x 28")

## Horizontal Machining Centers

- Hurco HTX500 (28" x 24" x 24")
- Cellular Concepts (24" x 25" x 18")

## Lathes

- Doosan Puma 300C/LC (15.7" Swing, 50.4" L)
- Doosan Lynx 220L (12.6" Swing, 20.7" L)
- Doosan Lynx 220LY (12.6" Swing, 20.7" L)
- Normura Swiss Turning Center (5/8" Swing)
- ProtoTRAK 1630SX (16" Swing, 30" L)
- Sharp 2280C Precision Lathe (22" Swing, 80"L)

## Boring Mill

- Doosan DBC 130 (118.1" x 118.1" x 78.7")

## Waterjet

- Mitsubishi MWX3-612 (144" x 72" x 10")

## Grinders

- Mattison Blanchard Grinder (42" diameter)
- Okamoto Surface Grinder
- Chevalier FSG-3A1224

## EDM Machining Centers

- Makino DUO43 (17.7" x 11.8" x 12.6")
- Chevalier ZPNC-251 (11.38" x 7.88" x 7.88")



Hurco VMX60SR 5-Axis Machining Center

## Production Machining

Northern Valley Machine has two shifts dedicated to medium and short run production machining. Utilizing the company's Automation department, Northern Valley Machine has been able to streamline production machining processes. This means that you can count on on-time delivery and quality in every part, without costing a premium.



Hurco VMX84i Machining Center

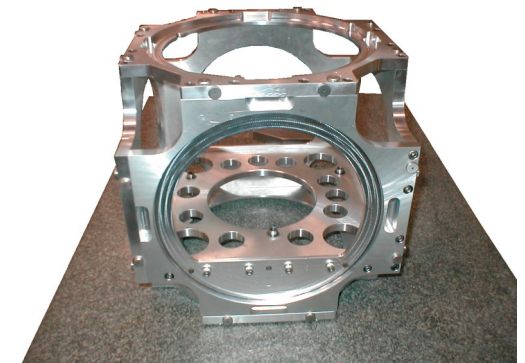


Doosan Lynx 220LY CNC Lathe

## Prototype Machining

Prototype Machining has always been a corner stone of Northern Valley Machine. Every CNC machine is networked which allows the programming staff to queue up jobs for each machine.

Using CAD-CAM software such as Gibbs Cam, Solid Works, and Ultimax PC Plus Software, Northern Valley Machine has created a seamless transfer from conceptual design to finished prototypes.



Typical Prototype Machined Part