

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

Vertical Machining Centers

- Hurco VMX64 (64" x 34" x 30")
- Hurco VMX42 (42" x 24" x 24")
- Hurco VMX42 (42" x 24" x 24")
- Hurco VMX30 (30" x 20" x 24")
- Hurco VMX30 (30" x 20" x 24")
- Hurco BMC-30/M (30" x 18" x 24")
- Hurco BMC-30HT/M (30" x 18" x 24")
- Hurco VSX24 (24" x 20" x 24")
- OKK MCV560 (41.34" x 22.05" x 22.05")
- Excel 510 (20" x 16" x 18")
- Wintec DMV-3000 (126" x 55.12" x 20.07")
- Komo VMC144 (144" x 20" x 15")

Horizontal Machining Centers

- Hurco HTX500 (28" x 24" x 24")

Lathes

- Kia Turn 21 LMS (21.7" Swing, 16.9 Length)
- Doosan Lynx 220L (18" Swing, 24" Length)
- Mazak QT28 (20" Swing, 36" Length)
- Normura Swiss Turning Center
- ProtoTRAK 1630SX (16" Swing, 30" Length)

Manual Machines

- Harding Super Precision Chucking
- Brown & Sharp horizontal mill

Grinders

- Mattison Blanchard Grinder (42" diameter)
- Okamoto Surface Grinder

Other

- Bridgeport Series 1 mill w/ digital readout
- Bewo cold saw
- Spartan automatic 15" band saw
- Grob vertical band saw.



Hurco HTX500 Horizontal 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 VMX64 Machining Center



Super Kia Turn 21 LMS 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 cue 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