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Our well equipped machine and welding shops offer clients the assurance that, if their equipment requires any repairs or modifications, the work can be done competently and promptly on our site.

Capabilities include prototype development, large and small production runs, and in house repairs. The plant is sitting on a 15 acre lot and our shop has 2 overhead cranes with two - 2 tonne hoists (4 tonne max) and 7 overhead cranes with 4 and 2 tonne hoists (6 tonne max), all spanned out over 40,000 sq feet with an additional 12,000 sq feet of cold storage buildings.

In our machine shop, we can produce a wide range of components and sub assemblies using modern Computer Aided Design facilities and a full range of top of the line machine tools.

As well our shop can transform raw material into finished product for resale with all processes happening at our facility.

Having top of the line equipment and employing knowledgeable and experienced Engineers, Machinists and Welders/Operators, it all equals great customer service and satisfaction. Our experienced machine operators are guided by engineering staff in carrying out their work.

Our CWB Certified welding shop offers stick, mig and tig welding. Our plasma cutter, along with our plasma cutter operator and programmer produces precise shapes and ensures the proper cutting of your special parts and materials.

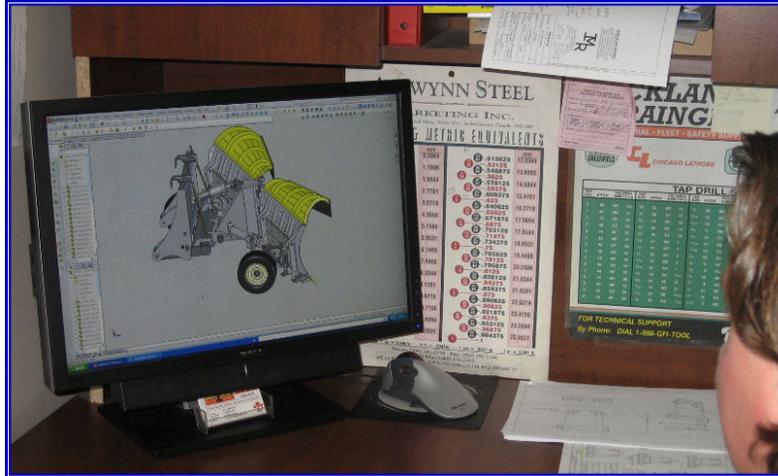
Our shop is run with ERP Management systems to increase the efficiency and productivity.

Whether the job focuses on small components or large assemblies our Welding and Machining Staff at Irving Machine provide full service and support.



## ENGINEERING DEPARTMENT

It starts with an idea, then a plan.  
And then someone is needed to make the plan come together.



Using the most version of CAD Three Dimensional Programs, the Engineering Department at Irving Machine brings a wealth of knowledge and skill to the table ensuring your projects are completed precisely.

The Engineering Department consists of:

PNG Engineer  
CNC Programmers

CAD Programs Include:

Solidworks  
AutoCAD  
CamWorks  
BobCAD



## MACHINE SHOP

### 3 - HAAS CNC Vertical Machining Centres

- HAAS VF6
- 30hp through spindle coolant
- 60" X 28" mill bed
- 38" up and down travel
- 31 position tool changer



### 2 - Conventional Lathes

- Three 16" - 20" Conventional Lathes with 80" Bed



## 2 - SN71 TOS Lathe

- 16ft bed
- 28" wing over bed
- 38" in the gap
- 15hp



## 2 - HAAS CNC Lathe

- SL30& ST30
- 30hp
- 12 position tool changer
- CNC controlled tail stock
- 4" spindle bore



## W100 A TOS Horizontal Boring Mill

- 75" x 110" x 60" travel
- 49" x 49" table
- 18hp



## PLASMA & OXY FUEL CUTTING

All parts are covered from drafting to cutting. 20GA to 6" plate on a 8' x 24' cutting table.



## SANDBLASTING AND PAINTING



27' x 13' x 12' Full Recovery Blast Booth with thru travelling monorail.

8' x 8' x 12' GFS cross draft liquid paint booth.



Continuous flow monorail from blast to application for fast productive flow through paint line.





24' x 13' x 12' powder application booth with 2 powder application units manually operated. Fed with overhead monorail.

Manually operated powder applicator.



12' x 13' x 27' 3.5 million BTU batch oven with doors on both ends for through part flow on monorail.



## WELDING SHOP

- CWB certified
- CSA 47.1
- Weld Capabilities:
  - Mig
  - Tig
  - Stick
  - Flux Core
  - Pipe Pressure Welding



Partnering with the machine shop makes fabrication possible

175 Ton Brake Press

Hyd-Mech V-18 Series 2 Vertical Band Saw

Seven overhead cranes in Machine and Welding Shops



## SERVICE

Rotation unit and rod clamp rebuilds are done by trained professionals



All units are shop run tested before returning them to the customer

