

Our Company Profile



MERCO INDUSTRIES LIMITED is a high precision custom machine shop that has built an industry leading reputation with regards to quality and on time delivery over the years.

It is our policy to supply products and services which at all times meet and or exceed both the design requirements and the quality specifications of customer contracts.



We specialize exclusively in high precision machining and assembling of aircraft components for numerous aerospace customers. We provide integrated and value-added services with regards to multi component kitting and supply chain management. We continue to do work for:

Bombardier Aerospace Inc, Safran Landing Systems, Sumitomo Precision Products Co, Stelia Aerospace North America and others.

In our 40 years of business, we have grown progressively to our present facility where we reside in 14,000 square feet of manufacturing space.

Currently we are employing 35 highly skilled personnel whom are having at their disposal some of the most advanced state of the art technology and equipment. This allows us to maintain our continued goal of achieving the highest quality standards in the industry.

Presently we are working at 50 to 60 % of our normal capacity, hence we are able to accommodate a large influx of new work into our workplace and still maintain our excellent level of quality and on time service.

Our Company's Capabilities



Our extensive, leading-edge computer-aided manufacturing software and equipment allows us to produce precision parts and assemblies in virtually all metals, plastics and composites including: solid stock, castings or forgings, aluminum, steel, stainless steel, aluminum bronze, copper, super alloys, nylon, teflon, delrin and various plastics.

We are capable of milling parts up to 38" X 20" X 20" and turning parts up to 13" in diameter X 18" long.



Combined with the skills and experience of our personnel, Merco Industries can produce and assemble very tight tolerance parts with complicated shapes. We do it efficiently, on schedule and at the lowest overall cost while maintaining the highest standard of workmanship.

People are an important part of any business, but especially in the highly precise nature of manufacturing aerospace components. It is for this reason that we feel strongly that those persons employed at Merco Industries maintain the same commitment to quality which was established when this company was created. Our core labour force has been with the Merco family for an average of 20 years.

::Equipment::

C.N.C MACHINING CENTERS		
#	Total HP	Description
6	18 HP.	Hurco VMX30, 4 axis, machining with Ultimex IV control, 24 tools, center 30" x 20"x 24".
4	15 HP.	Hurco VM1, 3 axis with Indexer, machining centers with Ultimex IV control, 16 tools, 26" x 14" x 18".
1	24 HP	Hurco VMX 42, 4 axis, machining with Ultimex IV control, 24 tools, center 40" x 20"x 25".
1	13 HP	Hurco VMX 24, 3 axis, machining with Ultimex IV control, 24 tools, center 24" x 20"x 20".
1	13 HP	Hurco BMC-2416, 3 axis, machining with Ultimex IV control, 24 tools, center 24" x 14"x 20".
C.N.C TURNING MACHINES		
1	7.5 HP.	Miyano BNC-34, 2 axis turning center, OT Fanuc control, ø 1-3/8" thru spindle capacity.
1	10 HP.	Miyano BNC-34c, 2 axis turning center, OT Fanuc control, ø 1-5/8" thru spindle capacity.
1	10 HP.	Miyano BNC-42C3, 2 axis turning center,OT Fanuc control, ø 1-5/8" thru spindle capacity.
1	25 HP.	Miyano LE-22, 2 axis turning center, OT Fanuc control, ø 2" thru spindle capacity.
1	25 HP.	Nakamura-Tome, SC-300IIBB, 2 axis turning center, LUCK-BEI conversational control, ø 2.5" thru spindle capacity.
1	20 HP.	Mori Seiki, SL-253-A/500, 2 axis turning center, MSG-500 (Fanuc 21 ITA) control, ø 2.5" thru spindle capacity
4	25 HP.	Nakamura-Tome, SC-250, 2 axis turning center, LUCK-BEI conversational control, ø 2.5" thru spindle capacity.
1	10 HP.	Miyano BNC-42cs, 2axis turning center, OT Fanuc Control, 1-5/8" thru spindle capacity
MILLING MACHINES		
1		First vertical milling machine with a 51" table.
3		Kondia vertical milling machines with a 54" table.
1		Supermill, universal milling machine with a 54" table.
1		Correa, universal milling machine with a 60" table.
1		Wadkin router, 60" X 40" table.

LATHES

2	Ferro, ø 18" Swing ø 2 ½" thru spindle bore.
2	Ferro, ø 20" Swing ø 4 1/8" thru spindle bore.
2	Hardinge HC model
1	Hardinge HL, V-L model
1	CycleMatic, CHR-68
1	Hardinge DV, 59/DS M-59

SURFACE GRINDERS

1	Jacobsen, 24" x 12"
1	Optima, optical drill grinding system to ø 1"
1	K.O. Lee, 19" x 6"
1	Sunnen honing machine, ø 6" hole.

BANDSAWS

1	Vertical bandsaw, 4.4 HP, 48" capacity.
1	Vertical Grob bandsaw, 3 HP, 24" capacity.
1	Vertical Unimet bandsaw, 1 HP, 16" capacity.
1	Horizontal hyd-mec bandsaw 3HP with a 12" capacity.

INSPECTION EQUIPMENT

1	Bright 504 Series 196 (Mitutoyo) full CNC CMM.
6	TESA micro-height gauges.
1	Mitutoyo PH350 illuminating profile projector.
1	Mitutoyo PH3515 illuminating profile projector.
4	Mitutoyo Borematic electronic bore gages.

Inspection office is equipped with state of the art measuring equipment and three very experienced full time inspectors. We also have full SPC capabilities.

1	Gibbs CAD/CAM systems with capabilities of receiving both IGES and DXF drawing files.
1	Catia Version 5-6R2014