



CONTRACT MACHINING AND FABRICATION SERVICES



 **TAPCOENPRO**

Quality and On-Time Service

Our fully staffed quality control group ensures the highest quality product available. Our in-house NDE capabilities help us control the level of inspection and prevent dependency on outside contractors for these critical services. With a full complement of measuring equipment and a quality staff with 30 years of job shop experience, adherence to your specifications is assured.



Outsource Your Manufacturing

Plant Space Savings

Minimize usage of your valuable production space by taking advantage of our 158,000 square feet of first-class shop area

Cost Savings

We've already made the investment in new production facilities and trained the additional skilled labor to produce your product

Quality Control

Our quality management system ensures receiving a high quality finished product

Equipment / Production / Personnel

Access to the latest equipment and production technologies through our engineers and production personnel ensures the highest level of quality control



Meeting Customer Expectations

We pride ourselves on understanding your requirements for "on time" delivery, whether routine or emergency. TapcoEnpro has the ability to operate twenty four hours a day, seven days a week with cross trained operators. Our team can perform emergency welding, forming, drilling, milling, boring, chamfering, grinding, turning, sawing operations and more on an expedited basis.

Safety and Performance

We utilize coordinate measuring machines, height stands, laser transits, video measuring systems and other pieces of precision equipment. The services we offer include radiography, dye penetrant, mag particle, ultrasonic testing and positive material identification.

In-Shop Equipment and Facilities

ENGINE LATHES

Max Swing Over Bed	35.5"
Max Swing Over Carrage	24"
Distance Between Centers	222"
Inch Threads	YES
Metric Threads	NO
Max Swing Over Bed	23.50"
Max Swing Over Carrage	13"
Distance Between Centers	49"
Inch Threads	YES
Metric Threads	YES
Max Swing Over Bed	26"
Max Swing Over Carrage	18"
Distance Between Centers	122"
Inch Threads	NO
Metric Threads	NO

VERTICAL TURRET LATHES

Table Size	64"
Max Swing	76"
Max Height	61"
Min Bore Each Ram Enters	10"
Max Ram Travel	58"
Table Size	55"
Max Swing	66"
Max Height	36"
Min Bore Each Ram Enters	1"
Max Ram Travel	38.50"

CNC VERTICAL TURRET LATHES

Table Size	144"
Max Swing	152"
Max Height	103"
Min Bore Each Ram Enters	16"
Max Ram Travel	71"
Max Table Load	40,000 LBS
Table Size	157.48"
Max Swing	196.85
Max Height	124.02
Min Bore Each Ram Enters	13.77
Max Ram Travel	62.99
Max Table Load	88,000 LBS
Table Size	88.58"
Max Swing	98.42
Max Height	78.74
Min Bore Each Ram Enters	12.4
Max Ram Travel	39.37
Max Table Load	35,200 LBS

CNC LATHES

Max Swing Over Bed	35.83"
Max Swing Over Carriage	22.05"
Distance Between Centers	68.90"
Inch Threads	YES
Metric Threads	YES

VERTICAL MILLING CENTERS

Table Width	43.25"
Table length	86.75"
Max (Z) Vertical Travel	37.50"
Max (X) Table Travel	80.39"
Max (Y) Table Travel	61.20"
Spindle Diameter	5.06"
Max Load	30,000 LBS
Table Width	30"
Table length	83"
Max (Z) Vertical Travel	32"
Max (X) Table Travel	78.50"
Max (Y) Table Travel	30"
Spindle Diameter	5"
Max Load	20,000 LBS

HORIZONTAL BORING MILL

Table Width	61.50"
Table Length	71"
Max (Y) Vertical Travel	72.50"
Max (X) Table Travel	86"
Max (Z) Table Travel	84"
Spindle Diameter	5"
Max Load	10,000 LBS
Table Width	36"
Table Length	60"
Max (Z) vvertical Travel	18"
Max (X) Table Travel	57.50"
Max (Y) Table Travel	42"
Spindle Diameter	4"
Max Load	6,000 LBS

CNC HORIZONTAL BORING MILL

Table Width	78.74"
Table length	98.42"
Max (X) Table Travel	118.11"
Max(Y) Vertical Travel	98.42"
Max (W) Column Travel	78.74"
Max (Z) Spindle Travel	31.49"
Spindle Diameter Travel	5"
Max Load	55,000 LBS
Table Width	62.99"
Table length	55.11"
Max (X) Table Travel	78.74"
Max (Y) Vertical Travel	62.99"
Max (W) Column Travel	78.74"
Max (Z) Spindle Travel	35.43"
Spindle Diameter	5.11"
Max Load	22,000 LBS

HEAVY DUTY LATHE

Max Swing Over Bed	63"
Max Swing Over Carrage	51"
Distance Between Centers	236"
Max Workpiece Weight	88,000 LBS
Thru Spindle Hole	4.375"
Spindle Speeds	1 - 200 RPM

SURFACE GRINDERS

Table Width	70.86"
Table Length	157.48"
To Spindle Center	37.4"
Grinding Wheel	20 x 3 x 8
Max (Y) Head Travel	71.25"
Max Load	10,200 LBS
Table Width	48"
Table Length	144"
To Spindle Center	32"
Grinding Wheel	20 x 6 x 10
Max (Y) Head Travel	48"
Max Load	30,000 LBS
Table Width	24"
Table Length	120"
To Spindle Center	24"
Grinding Wheel	20 x 6 x 10
Max (Y) Head Travel	24"
Max Load	42,000 LBS
Table Width	14"
Table Length	60"
Max (Z) vertical Travel	16"
To Spindle Center	16"
Grinding Wheel	14 x 3 x 10
Max Load	8,000 LBS
Table Width	42"
Table Length	120"
To Spindle Center	36"
Grinding Wheel	20 x 6 x 10
Max (Y) Head Travel	44"
Max Load	20,000 LBS

PLATE ROLLS

Large Plate Roll	2" THK x 96" W
Small Plate Roll	3/8 THK x 144" W

PRESS BREAK

C - Frame Press	750 TON
Press Break	600 TON x 240" W

PLATE CUTTING MACHINE

Table Size	120" x 600"
(1) plasma Torch	600 amp 6" THK
(1) Plasma Torch Rotator	600 amp 6" THK
(2) Natural Gas Torches	14" THK

CHANNELVIEW FACILITY

Under Roof	158,000 SQ FT
Land	14 acres
ASME Div I and Div 2 Pressure Vessel Shop	
National Board R Stamp	

Our strength is working with customers to overcome their manufacturing challenges using the technical expertise of our workforce to provide a complete optimized product.

Convenient access to Interstate, Airport, Rail and Water Transportation



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