



SPECIFICATIONS FOR OUR PRODUCTION EQUIPMENT

The main shop has a 75,000 square feet working area. The administration office, the sales department as well as the design, drafting and production services are all regrouped beside the main shop.

Our total shop area is divided in three (3) different sections:

- The Sheet Metal and Plate Work section
- The Machining section
- The Assembly section

A) EQUIPMENT LIST FOR THE SHEET METAL AND PLATE WORK SECTION	
Description	
1) <u>Shears</u>	
a) Capacity:	1/2" x 12 feet
b) Capacity:	10 gauge x 12 feet
2) <u>Press Brakes</u>	
a) Hydraulically operated 500 tons	
Capacity:	1/2" x 16' @ 90 deg. with 6" Vee (mild steel) 5/8" x 13' @ 90 deg. with 6" Vee (mild steel) 3/4" x 12' @ 90 deg. with 8" Vee (mild steel)
	The overall length of the table and ram is 16 feet. A series of "Strippit" punches varying from 7/32" dia. to 13/16" dia. can be installed for gang punch operation.
b) Mechanically operated	
Capacity:	3/16" x 12 feet
	Table and ram length: 12 feet
c) Hydraulically operated	
Capacity:	25 tons
	Table and ram length: 47 inches
3) <u>Plate bending rolls</u>	
a) Capacity:	1/4" x 8'
b) Capacity:	1/8" x 4'
c) Capacity:	Gauge No. 16 x 4'
d) Capacity:	3/4" x 10' x 17" dia.
4) <u>Ring rolling machine (profiles)</u>	
a) Capacity:	Angle: Max. 3" x 3" x 3/8" on 36" dia. Angle: Min. 1" x 1" x 1/4" on 18" dia.
b) Capacity:	Angle: Max. 6" x 6" x 5/8" on 100" dia. Angle: Min. 1-1/2" x 1-1/2" x 1/4" on 28" dia.

B) EQUIPMENT LIST FOR THE MACHINING SECTION

Description	
1) <u>Lathes</u>	
a) CNC Capacity: 20" Swing, 80" stroke	
b) 12" dia. (Swing) Capacity: 7" dia. x 40" long Complete with hydraulic profiler	
c) 20-1/2" dia. (Swing) Capacity: 11-1/2" dia. x 113" long over carriage	
d) 48" dia. (Swing) Capacity: 33" dia. x 23' long over carriage	
e) 20" (swing) Capacity: 11-1/2" dia. max. x 80" long over carriage	
f) 28" (swing) Capacity: 18-1/2" dia. x 118" long over carriage	
2) <u>Vertical boring mills</u>	
a) Table 48" dia. Capacity: 58" dia. max. x 30" height Equipped with a 5 positions turret (V.T.L.)	
b) Table 36" dia. Capacity: 43" dia. max. x 26" height Equipped with a 5 positions turret (V.T.L.)	
c) Table 78,7" dia. Capacity: 90,5" dia. max. x 67,7" height	
3) <u>Milling Machines</u>	
a) Planer Miller Table size: 1 m x 4 m (39" x 13'-2") Table travel: 4.4 m (14'-0") Height travel: 880 mm (34")	
b) Universal bed type Table size: 27-1/2" x 79" Longitudinal table travel: 66" Head vertical travel: 38" Head transverse travel: 38"	
c) CNC 5 axes Table size: 40" x 40'-2" Longitudinal table travel: 34'-3" Head vertical travel: 98-1/2" Transverse table travel: 47-1/4"	

B) EQUIPMENT LIST FOR THE MACHINING SECTION

Description	
d) CNC	
Table size:	86-5/8" x 21-5/8"
Longitudinal table travel:	63"
Vertical travel:	27-1/2"
Transverse table travel:	28-3/8"
4) <u>Horizontal boring mills</u>	
a) Spindle:	4.3" dia. x 31.5" stroke
Table size:	55" x 63" (Rotary type 360 deg.)
Headstock vertical travel:	63"
Table cross travel:	76"
Table longitudinal travel:	48"
Facing head:	27.6" dia. capacity (48" max.)
Equipped with digital read out on four (4) axis.	
5) <u>Drills</u>	
a) 60" radial	
Distance from spindle to main base:	50"
Capacity:	2-7/8" dia.
b) Column type	
Capacity:	1-1/4" dia.
c) Column type	
Capacity:	1/2" dia.
d) 70" radial	
Distance from spindle to main base:	64"
Capacity:	2-3/8" dia.
6) <u>Grinders</u>	
a) Surface Grinder	
Table size:	30" dia.
Capacity:	36" dia. x 13" height Maximum 37-3/4" diagonal
7) <u>Vertical Slotter</u>	
Rotary table 24" dia., 12-1/2" head stroke	
Table longitudinal travel:	33"
Table cross travel:	22"
Free height under cutter:	17"
Max. distance from table center to machine frame:	34"

C) GENERAL EQUIPMENTS

Description	
1) <u>Overhead Cranes</u>	
Note: Two (2) Cranes for each bay, running on the same rails and, consequently able to work by pair.	
➤ <u>1st Bay:</u>	One (1) Crane, Capacity 11,000 lbs One (1) Crane, Capacity 14,000 lbs
➤ <u>2nd Bay:</u>	Two (2) Cranes, Capacity 22,000 lbs each
➤ <u>3rd Bay:</u>	One (1) Crane, Capacity 11,000 lbs One (1) Crane, Capacity 14,000 lbs
➤ <u>4th Bay:</u>	Two (2) Cranes, Capacity 15,000 lbs each
➤ <u>5th Bay:</u>	One (1) Crane, Capacity 30,000 lbs Two (2) Cranes, Capacity 15,000 lbs each

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