

China Steel Inc.

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Facilities

Plant #1 26180 SF on 3.03 Acres (Industrial Park Crescent)
Plant #2 19500 SF on 9.50 Acres (Sackville Road)
Plant #3 15000 SF on 2.00 Acres (Industrial Park Crescent)
ISO 9001:2000 Registered / CWB Certified
In Consideration Of Consumables And Trade Qualifications Required
Hourly Rates Vary With Equipment, Part Complexity & Material Used

Page 1 of 3

CNC Machining Equipment Listing & Capacities

09Mar06/mgt

CNC Lathes

One	Mazak Slant Turn 15	Maximum Capacity 15.00" Dia Swing x 40.00" Long
One	Mori Seiki SL-4A	Maximum Capacity 21.65" Dia Swing x 24.05" Long
One	Mori Seiki SL-6B	Maximum Capacity 35.04" Dia Swing x 33.00" Long
One	Mori Seiki SL-45	Maximum Capacity 26.37" Dia Swing x 60.24" Long

Double Column Vertical Milling Centres

One	Mazak AJV 60/80 Accura Jigmatic	x = 78.73" y = 55.10" z = 19.99" Table Load Capacity 8820# 49.25" x 88.18" Table c/w 15.75" Dia Tsudakoma NC Rotary Table 59.06" Between Columns 40 Tool Magazine Renishaw Probe
One	Mazak AJV 25-404 Accura Jigmatic	x = 39.37" y = 20.00" z = 18.11" Table Load Capacity 1760# 21.65" x 48.81" Table 25.60" Between Columns 30 Tool Magazine

CNC Horizontal Boring Mill

One	AWEA Mechatronic CNC Horizontal Boring Mill 5 Axis Machining Centre - Model #BL-3018FM	Table Size = 63" X 71" Load = 22046# Indexable = .001 deg. X-Axis= 118" Y-Axis = 71" Z-Axis = 51" W-Axis = 24" B-Axis = Indexable Table 40 Tool Magazine Range/Speed = 8000rpm Spindle Taper = Cat #50
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27Nov07/rg

Universal Machining Centre

One	Mazak Integrex 40 Universal 2000 ATC	Maximum Capacity 22.04" Swing x 81.10" Long Spindle Indexing .001 Degree Increments Automatic Chuck Jaw Changer 12.00" dia Chuck size 30 Tool Magazine Plus Y-Axis Control 8 Tool Magazine
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Advanced CNC Turning Center

One	Mazak Quick Turn NEXUS 250MSY	Chuck Size Main & 2nd = 10" / 6" Max. Machining Dia. = 14.750" Travel, X = 9", Y = 4", Z = 22.625" Max. Bar Material Dia. = 3" dia.
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20Jul06/rg

Conventional Machining Equipment Listing & Capacities

Milling Machines

One	Ingersoll Double Housing Plano Mill	76.00" W x 60.00" H x 264.00" [22'-0"] L c/w 4 Right Angle Heads
One	TOS Kurim FC 63 Horizontal & Vertical Milling Machine	24.75" x 98.00" Table Clamping Surface

Conventional Machining Equipment Listing & Capacities (continued)

Lathes

One	Takisawa TKL 1500 HD Centre Lathe	Maximum Capacity 59.00" Swing x 312.00" [26'-0"] Long (55000#)
One	Clover 28 360x3000 Centre Lathe	Maximum Capacity 29.00" Swing x 132.00" Long (12000#)
One	PBR TM-30 x 4000 Centre Lathe c/w Taper Attachment	Maximum Capacity 24.50" Swing x 158.00" [13'-2"] (10700#)
One	TOS Model S-32 Engine Lathe	Maximum Swing 14.00" x 34.00" [2'-10"]
One	Bardons & Oliver No. 312 Cut Off Lathe	4 1/2" to 11 5/8" Pipe Parting c/w Feed Deck & Transfer Conveyors

Ancillary Machine Shop Equipment

One	Asquith 6-0 3PS Box type Colum Radial Drill	42.25" x 90.00" Table x 35.50" Vertical
One	Kitchen-Wade Type 46E32 Radial Arm Drill	30.00" x 46.00" Table x 28.00" Vertical
One	Nider Model N1-64/E2 Pedestal Drill Press	Adjustable 13.00" x 21.00" Table x 48.00" Vertical
One	WMW Slotter With Rotary Index Table	36.00" Table Dia c/w 30" x 30" Travel X &Y-Axis x 20" Stroke
One	Oster model TM-142 Threading Machine	1.50" Dia RH or LH Thread
One	Landis-Maiden Threading Machine	1.50" Dia Maximum Thread
One	Norton Surface Grinder	11.00" x 40.00" Table c/w 8.00" Head Dia & 6.00" x 18.00" Magnetic Chuck

Fabrication & Processing Equipment Listing & Capacities

Cutting & Shearing

One	Model CM56-120L Photocell Flame Cutting Machine	8 Torches Gas To 16" Steel Thickness / Plasma To 1" Stainless / 288" Length
8	Radiograph Portable Cutting Units	Circular or Straight Line Track Cutting
One	Pearson Hydraulic Plate Shear	Maximum 120.00" Width x .500" Thickness
One	Hyd-Mech Model M20 A Hydraulic Saw	20" x 30" Capacity Auto Feed & Tilt thru 45 Degrees
One	DoALL Model TF-24-SA Saw	24" x 24" Capacity c/w Right & Left Tilt Frames To 45 Degrees
2	Portable Shape Cutting Machine (Gas)	Auto Burning Maximum 14" Dia Hole Size
1	Portable Plasma Cutting Torch	Maximum 3/4" Thick Stainless Steel
One	Kasto Model EBS-400AU Power Hacksaw	15 5/8" Capacity c/w Automatic Feed
3	Eisele Precision Circular Saws	
One	Roll-In Band Saw	12" Diameter Capacity

Bending, Rolling & Pressing

One	Bertsch Power Plate Rolls	Plate Rolls 96" Width x 1/2" Thickness
One	Bertsch Power Rolls	Plate Rolls 60" Width x 1/2" Thickness
8	Magnetic Annular Cutting Machines	Auto Broaching Holes Up To 2 3/8" Dia
2	Magnetic Drills	Portable Drilling Up To 2" Dia Holes
One	Cincinatti 750 Ton Brake Press	14'-0" Maximum Plate Width
One	Pearson 175 Ton Hydraulic Brake Press	12'-0" Width x 1/4" Thick
One	500 Ton Horizontal Hydraulic Power Fitting Press	21'-0" x 8'-0" x 4'-0" Frame
One	300 Ton Verical Hydraulic Power Fitting Press	10'-0" x 5'-0" x 3'-6" Frame
One	Bliss 250 Ton Conventional Press	Stamping & Forming
One	Angle Rolls	Maximum L 3 x 3 x 3/8

Drilling & Punching

One	Whitney Portable Hydraulic Punch System	Maximum Punching 1 1/16" Dia thru 1" Plate
One	Enerpac SP-35S Portable Hydraulic Punch	Maximum Punching 13/16" Dia thru 1/2" Plate
2	Universal Ironworkers	Maximum L 5 x 5 or L 6 x 4 x 1/2 - Bar Stock 2" Dia or Square

Welding Equipment

2	Welding Positioners	40 Ton Capacity
30 +	Welding Machines (Manual, Automatic, Semi-Automatic)	SMAW / FCAW / GMAW / SAW / TIG
One	Nelson Stud Welder Model TR-1800	Maximum Capacity To 7/8" Dia
One	Panasonic 6 Axis Robotic Welder	Two Station

Shop Lifting Equipment Capacities

2	10 Ton Overhead Bridge Cranes	20T Combined Lift Centre Bay (Industrial Park)
2	5 Ton Overhead Bridge Cranes	10T Combined Lift South Fabrication Bay (Industrial Park)
2	5 Ton Overhead Bridge Cranes	10T Combined Lift Machine Shop (Industrial Park)
3	Jib Cranes (1x3T / 1x1T / 1x.5T)	CNC Bay (Industrial Park)
3	Jib Cranes (1x3T / 1x1T / 1x.5T)	South Fabrication Bay (Industrial Park)
3	10 Ton Overhead Bridge Cranes	20T Combined Lift North Fabrication Bay (Sackville Road)
2	5T Overhead Cranes	South & East Fabrication Bays (Sackville Road)
6	3T Overhead Cranes	South Fabrication Bay (Sackville Road)

Portable Lifting, Erection & Transportation Equipment

One	35 Ton Rough Terrain Crane	104' Boom + Concrete Buckets + Man Basket + Lifting Beams To 18'
One	14 Ton RT58 Grove	Yard Service Crane
One	12 Ton Stinger II Boom Truck	90' Boom Yard Service Crane
3	Forklifts	Shop & Yard Service
One	Ford Tractor Trailer Unit	45' Flat Deck Trailer Capacity 67000#
One	Ford Tractor Trailer Unit	20000# Capacity Low Boy Trailer
One	Gypsy Tow Trailer	6000# Capacity
One	One Ton Flat Bed Delivery Truck	8'-0" x 10'-0" Flat Deck
One	One Ton Field Service Truck	c/w Portable Welding Machine & Torches
One	Trombone Trailer	Extends To 75' Length