

Factory machineries

SER	M/C Name	Specifications and working range	Remark
Plates cutting			
1	Air Liquide CNC Flame Cutting Machine 1	4 OXYFULL Torches and 1 plasma torch Cutting length 14000 mm cutting widths 6500 mm Cutting thickness min. 8 mm max. 250 mm oxy full 1- 15 mm Plasma	Cutting any shape can be Made by CNC Programs
2	Air Liquide CNC Flame Cutting Machine 2	4 OXYFULL Torches and 1 plasma torch Cutting length 14000 mm cutting widths 6500 mm Cutting thickness min 8mm max250 mm oxy full 1- 15 mm plasma	Airliquide welding FRANCE
3	Sato CNC Plasma Cutting Mc	2 Plasma torches Cutting Lengths 16000 mm cutting widths 6000 mm Cutting thickness UP TO 80 mm	sato electorinic / Germany
4	Sato CNC Flame cutting Mc.	6 OXYFUEL Torches Cutting lengths 24000 mm cutting widths 6500 mm Cutting thickness 3 mm Min. Max. 300 mm	sato electorinic / Germany
5	Variosec Strip flame cutting M/C	5 UNITS 3Torch stripp and bevelling head 2 pc single torches Cutting lengths 24000mm cutting widths 6500 mm Cutting thickness min. 3 mm max. 300 mm oxy full	Messer Griesheim/ Germany cutting only parallel /strips
6	CORTA Flame Cutting Mc	Coordinate drive system with photoskop 2Oxyfuel Torches Cutting lengths 6000 mm cutting widths 3100 mm cutting thickness 3 mm MIN. 200 mm MAX.	Messer Griesheim/ Germany Cut according to a shaplon drawn on paper. The photo electric cell follow up the drawn lines and transfer the movement to the torch .
7	Hydraulic plate shear machine ROMI	Max. cutting thickness 6.5 mm Max. cutting length 3000 mm	plate cutting
8	Hydraulic plate shear machine Atlantic	Max .cutting thickness 12 mm Max. cutting lenth 3050 mm	
9	Hydraulic plate shear machine HAEMMERLE	Max.cutting thickness 20 mm Max.cutting length 2050 mm	
10	Hydraulic plate shear machine EHS 16	Max. cutting thickness 16 mm Max. cutting length 3010 mm	
11	KOIKE CNC FLAME CUTTING Mc	4 torches flame cutting oxyfuil MAX. THIKNESS 50 mm MAX. width 3000 mm max. length 18000 mm	
12	Cold Beveling Mc	for beveling plates thikness from 10 mm to25 mm beviling angle 30 ----45 degree	

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Plates cutting			
13	KOIKE FLAME CUTTING Mc	for beveling plates thickness up to 120 mm	qty 12
DRILLING PLATES			
1	CNC Punshing Machine FICEP P 81	Min. Plate size 100x100 mm Max. plate size 800x1000 mm Max. plate thickness 25 mm Max . Punshing diameter 46 mm	FICEP spa ITALY
2	CNC Plate Drilling Mc. VERNETH -Behringer FG 1505	MIN. Working range 8x80x100 mm Max . Working Range 40x100x1500 mm Drilling diameter 8-40 mm	VERNETH -FRANCE
3	CNC plate drilling Mc. Foradia	table surface 1000x1000 mm Max. drilling Diameter 50 mm	Foradia -SPAIN
4	CNC Plate drilling Mc . Kovosvit	Table surface 1400x1000 mm Max. drilling 50 mm	kovosvit cz
5	punch Machine peddinghaus	plates 27x510x1040 mm Max. hole diameter 38 mm	
6	punch Machine MUBEA	max. hole diameter 30 mm Thickness 20 mm	
7	Radial drills	Max. drill diameter 60/80 mm Max. boring after predrilling 90/110 mm	QTY 11
8	fixed Marking Mc (TECHNIFOR)	For plate marking thickness of plate from 1mm to 100 mm and the NO Length from 2mm to 12 mm	
Profiles cutting and drilling			
1	Hydraulic cold circular saw Mc. Kaltenbach HDM 1310	Cutting Capacity round materials 440 mm dia. square materials 400 mm rectangular materials 800 x290 mm beam section horizontal 1000x300 mm	GERMANY beam & angle line
2	Cnc profile drilling Mc. VOORTMAN V630 /1250 M	Max. height 400 mm Max. widths 1200 mm Max. drill 32 mm	NETHERLAND beam & angle line
3	Hydraulic cold circular saw Mc. kaltenbach HDM 1400	CUTTING CAPACITY Round materials 500 mm Beam sections horizontal 450x1000 mm	Qty 2 beam & angle line
4	Electric Saw for pipes	Cutting pipes up to diameter 8 inch	
5	Band SAW	Cutting pipes ,rods,angles,.....up to 200 mm	Qty 4
B.U.S			
1	T.MASTER LINE 1	Min./Max. Web height 250/3000 mm Min./Max. web thickness 8/40 mm Min./Max. flang width 200/800 mm Min./Max. flang thickness 8/60 mm Min. /Max. length 6/20 M Max. size of weld 4 mm	Heliobolis Workshop
2	T.MASTER LINE 2	Min./Max. web height 250/3000 mm Min./Max. web thickness 8/40 mm Min./Max. flang width 200/800 mm Min. /Max. flang. Thickness 8/60 mm Min. /Max. Length 6/20 M Max. size of weld 10 mm	BELBEIS Workshop
3	Manual Arrangments for B.U.S	Min. B.U.S 200X100 mm Max. B.U.S 1100X450 mm Max. length 20 M	2 LINE ASSEMBLY 2 AUTOMATIIC WELDING CHASIS 2 LINE ALIGNING

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Plates cutting					
Bending Machines					
1	the press brake Bending Mc.	Max. width of Bended plate for 10mm is 3060mm for 16 mm is 1500mm for 25 mm is 500 mm			
2	Hydraulic press 400 ton	Bending and pressing plates and profile s up to 600 mm			
3	Section Bending Machine PARMIGIANY Mc.	Section Bending up to HEA 600 (ALL PROFILES) MIN. RADIUS 1100 MM	ITALY, ANGLES CPN,HEA, HEB		
ROLL PLATE BENDING Machines					
1	Three-Roll plate bending Mc tybe SRMVO-XIV-134	Max . Width of rolled plate 3000mm Min. inner diameter 600 mm Max. inner diameter for complete circle 4000 mm Max plate thickness 32 mm			
2	Hydraulic Rolling Mc 4 Rollers tybe VRM-HY 4000	Max. width of rolled plate 4000 mm max inner diameter 4000mm Max. thickness of rolled plate 70 mm MIN. inner diameter 640 mm	IN Case of decrease the width the thickness increase 800 width/140 th		
3	Angle bending Mc tybe HPR8V (Model f 670)	bending angels into circular shape up to 80 mm bending pipes into circular shabe up to 3 inch Min . Radius of bending 1000			
4	pipe bending Mc tybe RE4	diameter of pipes up to 4 inch Radius of bending from 105 mm to 475 mm			
5	pipe bending Mc tybe RE3	Bending pipes into circular shape 2 inch Radius of bending 230 mm			
6	Hydraulic operated rolling Mc. Tybe VRM-HY3000 X38 mm	max.width of rolled plate 3000 mm plate thickness 38 mm max. plate thickness 60 mm Max. inner diameter to be rolled 3000 mm Min inner diameter to be rolled 650 mm	Heliopolis Workshop		
COLUMN AND BOOM SAW WELDING Mcs					
	Mc	Height 1	Height 2	arm length	1000 A/44V
1	Messer	400	5200	5350	
2	Stelco -starmatic	1000	3700	4000	
3	Esab tac 1000 lae 1250	900	4100	4500	
4	Esab Lad 1400	760	5500	6360	
5	MEGASAF -Starmatic	500	5700	5700	
6	MEGASAF -Starmatic	500	5700	5700	
7	TS STARMATIC 1303	300	2650	5500	
8	CANTILEVER ESAB LAE 1250		4720	Moving on rails	
Machining					
1	Big Conventional Boring M/C Type-BF230(Schiess)	Max.W/P Length-X Stroke- 6000mm			Used for boring & facing big parts
		Max.W/P Hight -Y Stroke- from 800mm to 4500mm			
		Spindle Diameter- 230mm			
		Max.spindle Movement-Z Stroke- 2000mm			
2	Big CNC Boring M/C (FRORIEP)	Max.W/P Length-X Stroke- 10000mm			Used for boring & facing big parts
		Max.W/P Hight -Y Stroke- 2920mm			
		Spindle Diameter- 160mm			
		Max.spindle Movement-Z Stroke- 700mm			



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Plates cutting			
3	Medium Convential Boring M/C Type-BEP200(UNION)	Max.W/P Length-X Stroke- 2920mm	Used for boring & facing median parts
		Max.W/P Hight -Y Stroke- 1500mm	
		Spindle Diameter- 200mm	
		Max.spindle Movement-Z Stroke- 600mm	
4	BIG Vertical Lathe (WALDRICH)-Type WZKS80	Max.Hight for Workpiece- 3840mm	Used for turning big parts
		Max.Diameter for Workpiece- 8000mm	
5	Big Facing Lathe -Type DP (Flanges M/C)	Max.Turning Diameter- 4800mm	Used for turning Flanges and small high parts
		Max.Turning Length- 6000mm	
		Max.Weight for W/P- 5000 Kg	
6	Medium Convential Boring M/C Type-BF115(Collet)	Max.W/P Length-X Stroke- 2500mm	mainly used for facing columns
		Max.W/P Hight -Y Stroke- 1950mm	
		Spindle Diameter- 115mm	
		Max.spindle Movement-Z Stroke- 500mm	
7	Convential Lathe type-Niles-400 (Two Lathes)	Max.Turning Length- 4000mm	used for turning parts
		Max.Turning Diameter- 800mm	
		Max.Loading Weight for W/P- 3000 Kg	
8	Convential Lathe type-Niles-3150 (Two Lathes)	Max.Turning Length- 3150mm	used for turning parts
		Max.Turning Diameter- 800mm	
		Max.Loading Weight for W/P- 3000 Kg	
9	Small Vertical Convential Lathe Type-WM1163	Max.Turning Hight- 600mm	used for turning parts
		Max.Turning Diameter- 800mm	
		Max.Loading Weight for W/P- 1000 Kg	
10	NC Chinese Lathe (Small Lathe Type XPos3)	Max.Turning Length- 1000mm	used for turning small size parts
		Max.Turning Diameter- 100mm	
		Max.Loading Weight for W/P- 100Kg	
11	Big Shapping (planner)M/c Type Waldrich Goburg	Max.W/P Length- 3000mm	Used for shaping surfaces
		Max.W/P Width- 1200mm	
		Max.W/P Hight - 1000mm	
		Max.W/P Wight- 2500Kg	
12	Small Shapper Type Klopp-1000H	Max.W/P Length- 1000mm	Used for shaping small surfaces& Key ways
		Max.W/P Width- 750mm	
		Max.W/P Hight - 300mm	
		Max.W/P Wight- 200Kg	
13	Small Convential Milling M/C Type 1G/U	Max.W/P Length- 755mm	used for milling small parts & Gears
		Max.W/P Width- 250mm	
		Max.W/P Hight - 350mm	
		Max.W/P Wight- 250Kg	
14	Small Convential Milling M/C Type NVS	Max.W/P Length- 750mm	Used for milling small parts.
		Max.W/P Width- 300mm	
		Max.W/P Hight - 300mm	
		Max.W/P Wight- 200Kg	
15	Small Table Boring M/C Type BFT-80 (Union)	Max.W/P Length-X Stroke- 1250mm	Used for boring small parts.
		Max.W/P Width -Y Stroke- 1000mm	
		Max.W/P Hight- 1000mm	
		Max.spindle Movement-Z Stroke- 900mm	
16	Small Convential Surface Griniding M/C Type K.Jung	Max.W/P Length-X Stroke- 500mm	Used for grinding small metallic surfaces
		Max.W/P Hight- 100mm	
		Max.W/P Width -Y Stroke- 200mm	
		Max.W/P wight- 100Kg	
WELDING Machienes			
1	Automatic welding Mc	Range 1000 A /44v	QTY 10
2	Semi Automatic Welding Mc.	RANGE 400 A/ 41v	QTY 100
3	Manual Welding Mc.	RANGE 500 A/40 V	QTY 120



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Plates cutting			
4	TIG Welding Mc.	Range 330 A /33V	QTY 14
5	CARBON ARCAIR GOUGING M/C	POWER 1000 A	QTY 8
CRANES			
1	Gantry Crane	Max. Capacity 20 TON	QTY 1
2	Monorail Gantry crane 17 m	Max. Capacity 15 TON	QTY 1
3	Monorail Gantry crane 17 m	Max. Capacity 10 ton	QTY 1
4	Tower Crane	MAX. Capacity 40 ton	QTY 1
5	Double girder over Head crane	Max. capacity 40 ton	QTY 1
6	Double girder over Head crane	Max. Capacity 25 ton	Qty 3
7	Double girder over Head crane	Max. capacity 16 ton	qty7
8	Double girder over Head crane	Max. Capacity 10 ton	Qty 9
9	Double girder over Head crane	Max. Capacity 2x5 ton	Qty 6
10	Double girder over Head crane	Max. Capacity 2x8 ton	Qty 2
11	Monorail CRANE	Max. capacity 6.5 ton 14.5 m	Qty1
12	Monorail CRANE	Max. Capacity 10 ton	Qty 4
13	Mobile Crane	DEMAG CRANE 100 TON	Qty 2
		TEREX CRANE 70 TON	QTY 1
		TEREX CRANE 65 TON	QTY 1
		TEREX CRANE 55 TON	QTY 1
14	PH CRANE	80 TON	QTY 1
15	PH CRANE	165 TON (HELIOPOLES)	QTY 1
Heat Treatment			
1	Heat Treatment Furnace	Dimensions 4.5 M width X5m height X 27 M length MAX. TEMPRETURE 800 C FIXED FOR 7 HOURS	Qty 1
SHOT BLASTING			
1	SHOT BLASTING MACHINE TYBE KH 34	PLATES THICKNESS 6-30 mm pLATES width till 3200 mm standard profiles till HEB 1000 -PROFILES 1010 X408	
2	Sand Blasting	OPEN YARD	
3	PAINT BOOTH	36M length X25 M width	
4	PAINTING EQUIPMENT	4 airless machine	
5	AIR COMPRESSOR	3 -90 KW ATLASCOPO , 5 desil compressor	
FLUX AND WELDING CONSUMABLES OVEN			
	FLUX (C1H) C1400	400 KG T-MAX 550C	
	WELDING CONSUMABLES OVEN	50 KG TEMP. (100 -550 F)	
	FLUX (C1H) C1400	200 KG T MAX 550 C	