

Summary

Type	Milling	Turning	EDM & Wire Cut	Manual	Inspection	Total
QTY.	121	21	7	7	8	164

A. Automatic

	Machine Type	Brand	Model	Working Range (mm)	Speed (rpm)	QTY.
1	Milling	Doosan	DNM 6700 XL	2,100 x 670 x 625	8,000	2
2	Milling	Doosan	DNM 750II	1,630 x 762 x 650	8,000	2
3	Milling	Doosan	DNM4500	1,300 x 670 x 625	8,000	1
4	Milling	Doosan	DNM 6500II	1,270 x 650 x 650	8,000	10
5	Milling	Doosan	DNM 5700	1,050 x 570 x 510	12,000	7
6	Milling	Doosan	DNM 5700	1,050 x 570 x 510	8,000	4
7	Milling	Haitian	VMC 1000II	1,000 x 600 x 600	12,000	3
8	Milling	Doosan	DNM 4500	800 x 450 x 510	12,000	9
9	Milling	Doosan	DNM 4500	800 x 450 x 510	8,000	9
10	Milling	Doosan	DEM 4000	800 x 450 x 510	8,000	1
11	Milling	Doosan	DNM T4000	520 x 400 x 350	24,000	1
12	Milling	Taikan	T-500S	520 x 400 x 350	24,000	40
13	Milling	Robodrill	Alpha-D21LiB	700 x 400 x 330	24,000	1
14	Milling	Hwachon	VESTA-1100	1,100 x 600 x 600	12,000	3
15	Milling	Hwachon	VESTA-800	800 x 550 x 550	12,000	6
16	Milling	Makino	F3 Pro6	650 x 500 x 450	20,000	1
17	Milling	Makino	F3	650 x 500 x 450	20,000	1
18	Milling	Makino	PS105	1250 x 700 x 500	20,000	10
19	Milling	Makino	Slim5n	1,175 x 545 x 511	16,000	4
20	Milling	Makino	PS65	660 x 510 x 460	14,000	2
21	Milling (Horizontal)	Makino	A61NX	730 x 650 x 800	14,000	1
22	Milling (Horizontal)	Makino	A51NX	560 x 640 x 640	14,000	2
23	Milling (Horizontal)	DMG Mori	NH5000DCG	730 x 730 x 850	14,000	1
24	Milling & Turning	DMG Mori	NLX2500	D366 * 1,255	4,000	1
25	Turning	Doosan	LYNX 2100LA	D350 * 550	6,000	11
26	Turning	Doosan	LYNX 220L	D320 * 542	6,000	1
27	Turning	Doosan	LYNX 220Y	D300 * 300	6,000	1
28	Turning	Hwachon	Cutex 160B	D300 * 284L	4,500	6
29	Turning (Automatic)	Citizen	Cincom A20VII	D25 * 100	8,000	1
30	Die-Sinking	Makino	EDAF	550 x 350 x 350	-	1

31	Die-Sinking	Makino	EDAF3	450 x 350 x 350	-	1
32	Die-Sinking	Mitsubishi	EA8S	300 x 250 x 250	-	1
33	Wire-Cutting	Makino	U6 H.E.A.T	910 x 720 x 300	-	1
34	Wire-Cutting	Fanuc	C800ic	800 x 600 x 350	-	1
35	Wire-Cutting	Sodick	VL600Q	600 x 400 x 270	-	1
36	Wire-Cutting				-	1

B. Secondary Operation Equipment

	Machine Type	Brand	Model	Working Range (mm)	QTY.
1	Surface Grinding	Okamoto	ACC-63DX	605 x 300 x 250	2
2	Surface Grinding	Okamoto	125DXNC	1250 x 550 x 350	2
3	EDM Hole Popper	Amasun	MS-DZ430I	440 x 320 x 200	1
4	Laser Marking	Datyso		400 x 300 x 150	1
5	Laser Welding	Han's Laser	W100B	700 x 500 x 300	1

C. Inspection

	Machine Type	Brand	Model	Working Range (mm)	QTY.
1	Coordinator Measuring Machine	Mitutoyo	Crysta-ApexS	700 x 700 x 600	1
2	Coordinator Measuring Machine	Mitutoyo	Crysta Plus M544	500 x 400 x 400	1
3	Coordinator Measuring Machine	Hexagon	Croma 686	600 x 800 x 600	1
4	Coordinator Measuring Machine	Renishaw	Equator 500	D500 x 250	1
4	Optical Measuring Machine	Hexagon	OPTIVE LITE	400 x 300	1
5	Optical Measuring Machine	Hexagon	OPTIVE LITE	300 x 200	1
6	Hardness Tester	BAQ		19.3 ÷ 28.2 HRC	1
7	Surface Roughness Tester	Mitutoyo	Surftest	0 ÷ 360 µm	1

Summary

Size (tons)	80-100	120-130	160-180	220-280	320-380	470-530	600-700	Total
QTY.	10	17	28	6	4	8	4	77

A. Injection Molding Presses

	Tonnage	Brand	Model	The Bar Distance (HxV) (mm)	INJ.Capacity Gps	QTY.
1	80	JSW	J80ADS-60U-25mm	410x410	45	3
2	100	JSW	J100ADS-110U-35mm	460x460	105	5
3	100	Sumitomo	SE100EV-C250	460×460	105	2
4	130	JSW	J130ADS-110U-32mm	530x510	97	2
5	130	JSW	J130ADS-110U-35mm	530x510	115	14
6	130	Sumitomo	SE130EV-C360	520×500	184	1
7	160	Haitian	MA1600II/540e-45mm	470x470	291	3
8	180	JSW	J180ADS-180U-35mm	590x560	135	2
9	180	JSW	J180ADS-180U-40mm	590x560	176	4
10	180	Sumitomo	SE180EV-C450-32mm	570x560	118	1
11	180	Sumitomo	SE180EV-C450-36mm	570x560	156	17
12	180	Sumitomo	SE180EV-C450-40mm	570×560	156	1
13	220	JSW	J220ADS-460H-46mm	650x590	463	1
14	220	JSW	J220ADS-460H-53mm	650x590	541	1
15	250	Haitian	MA2500II/1000e-55mm	580x580	519	1
16	250	Haitian	MA2500III/225eco	590×570	195	3
17	320	Haitian	MA3200II-65mm	1,110x630	929	1
18	350	JSW	J350ADS-890H-66mm	810x730	810	1
19	360 (multi-color)	Haitian	MA3600WM/570-280	810x730	289 - 141	1
20	380	Haitian	MA3800III/225eco	780×730	977	1
21	450	Haitian	VE4500V	910 x 910	1,692	1
22	470	Haitian	MA4700III/ 320 eco	850×800	1,767	3
23	530	Haitian	MA5300V/4500	840×830	2,272	3
24	530	Haitian	MA5300III/ 450 eco	860×820	2,372	1
25	600	Haitian	MA6000IIS/ 450	900×870	2,006	2
26	700	Haitian	MA7000III/500	980x940	2,149	2

B. Secondary Operation Equipment

	Equipment	Brand	Model	Working Specs (mm)	QTY.
1	Pad Printer	Winon	WN-126FE		2
2	Silk Printing Table				10
3	Ultrasonic Welder	Vietsonic		20 KHz	1
4	Annealing Cabinet				1

C. Inspection

	Equipment	Brand	Model	Working Specs (mm)	QTY.
1	Coordinator Measuring Machine	Hexagon	Croma 686	600 x 800 x 600	1
2	Coordinator Measuring Machine	Mitutoyo	M544	400 x 500 x 500	1
3	Optical Measuring Machine	Hexagon	OLM 3020	300 x 200 x 200	1
4	Hardness Tester	BAQ		19.3 ÷ 28.2 HRC	1
5	Surface Roughness Tester	Mitutoyo	Surftest	0 ÷ 360 µm	1

Summary

Type	Milling	Turning	Wire Cut	Manual	Inspection	Total
QTY.	16	5	1	1	1	24

	Machine Type	Brand	Model	Working Range (mm)	Speed (rpm)	QTY.
1	Milling	Doosan	DNM 400 II	760 x 430 x 510	8,000	4
2	Milling	Doosan	DNM 5700	1,050 x 570 x 510	12,000	3
3	Milling	Doosan	DNM 5700	1,050 x 570 x 510	8,000	1
4	Milling	Doosan	DNM 4500	800 x 450 x 510	12,000	3
5	Milling	Doosan	DNM 500 II	800 x 500 x 510	8,000	2
6	Milling	Doosan	DNM 6500	1,200 x 650 x 625	8,000	1
7	Milling	Doosan	DNM 6700	1,300 x 670 x 625	8,000	2
8	Milling & Turning	Doosan	LYNX 220 YA	X220 - Z300	6,000	1
9	Turning	Doosan	LYNX 220L	X260 - Z480	4,000	1
10	Turning	Takamaz	GSL-10 H	X180 - Z300	6,000	2
11	Turning	Takamaz	GSL-15 PLUS	X220- Z300	4,000	1
12	Wire-Cutting	Hightech	DK7745		-	1
13	Surface Grinding	Okamoto	G630	700 x 300 x 280		1
14	Coordinator Measuring Machine	Hexagon	CROMA 686 HH	800 x 600 x 600		1

Summary

Type	Milling	Turning	Manual	Inspection	Total
QTY.	8	5	3	3	19

	Machine Type	Brand	Model	Working Range (mm)	Speed (rpm)	QTY.
1	Milling	Doosan	DNM 5700	1,050 x 570 x 510	8,000	3
2	Milling	Doosan	DNM 4500	800 x 450 x 510	12,000	1
3	Milling	Doosan	DNM 500 II	800 x 500 x 510	8,000	1
4	Milling	Doosan	DNM 500II			1
5	Milling	Doosan	DNM 6700	1,300 x 670 x 625	8,000	2
6	Turning	Doosan	LYNX 220L	X260 - Z480	4,000	2
7	Turning	Doosan	PUMA GT2600			1
8	Turning	Doosan	LYNX 2100LA	D350 * 550	6000	1
9	Turning (Automatic)	Star	SB-20R Type G		10,000	1
10	Surface Grinding					1
11	Surface Grinding	Jonsen	SG940-JS			1
12	Cylindrical Grinding			D250		1
13	Hardness Tester	Bowers	CV-600MA	800 x 600 x 600		1
14	Coordinator Measuring Machine	Hexagon	EXPLORER CLASSIC			1
15	Optical Measuring Machine	Rational	VMS-3020G			1



Summary

Type	Laser & Punching	Bending	Stamping & PEM	Welding	Surface Treatment	Others	Total
QTY.	5	3	3	21	4	18	54

A. Automatic

	Machine Tool Name	Maker	Model	Type	Country	QTY.
1	Fiber Laser Cutting	DNE (Bystronic)	D-FAST1530FCCBD1500W	Fiber laser IPG 3000W	China	1
2	Fiber Laser Cutting	VNI	VLF3015EPI	Fiber laser MAX 6000W	Vietnam	1
3	Tube Laser Cutting	Bodor	K2C	Fiber laser 6000W	China	1
4	Punch & Fiber laser combination machine	PrimaPower	CS1225	Fiber laser 3000W	Italy	1
5	Turret Punching Machine	Amada	Vipros 255	Vipros 255	Japan	1
6	Press Brake Machine	DNE (Bystronic)	ZYB-100T/3200	CNC, 3.2m/100 Tons	China	1
7	Press Brake Machine	Amada	HM1003	CNC, 3.1m/100 Tons	Japan	1
8	Press Brake Machine	Amada	EGB 1303	CNC, 3.1m/130 Tons	Japan	1
9	Progreessive Stamping System	Komatshu	OBS-80 VS	80 Tons	Japan	1
10	PEMserter	PEMserter	SERIES 4	Steel: up to M10, Al: up to M12	USA	2
11	Spot Welding Machine	Origin	A15	AL: up to 4mm, Steel: up to 8mm	Japan	1
12	TIG Welding Machine	Weldcom		TIG	Taiwan	10
13	MIG Welding Machine	Weldcom		MIG	China	4
14	MIG Robot Welding machine	Yaskawa Motoman		MIG	Japan	2
15	Fiber laser welding machine	Weldcom		2000W	Vietnam	4
16	Bridge Milling Machine	Neway	PM2040HC	X 4700 - Y 2700 - Z 1000	China	1
17	Screw Air Compressor	Kobelco	F3 Pro6	30 nd 40HP_2000L tank	China	2
18	Chemical Polishing (0.6x0.6x1.2m)	Hoang Tin Phat		Manual	Vietnam	10
19	Automatic Sand Blasting	The Nam		Automatic	Vietnam	2
20	Deburring machine	Amada	IBT610II	Material thickness up to 12mm	Japan	2
21	Deburring machine	Xinding	RP-800	Material thickness up to 12mm	China	1

B. Surface Treatment Equipment

	Machine Type	Maker	Model	Type	Country	QTY.
1	Anodizing/Hard Anodizing line (1.0 x 1.2 x 1.6m)	Hoang Tin Phat		Automatic	Vietnam	1
2	Chromate Conversion Coating	Hoang Tin Phat		Semi Automatic	Vietnam	1
3	Liquid Painting	SMCTech		Manual	Vietnam	1
4	Powder coating (1.5 x 3.5 x 1.5m)	Thinh Phong		Manual	Vietnam	1