

# List of Factory Production Equipment

STT	Equipment Name	Equipment Name	Manufacturer	Model	Table Size (X x Y x Z)	Speed of speed	Quantity	Processing range
1	Lathe Machine	CNC Lathe Machine	MORISEIKI		Ø400 x 600	2,000	1	400 x 600
2		CNC Lathe Machine	OKUMA	LB15	Ø300 x 400	3,000	1	Ø 300 x 400
3		CNC Lathe Machine	MAZAK	CAM T-32	Ø300 x 400	3,000	1	Ø 300 x 400
4		CNC Lathe Machine	MAZAK	CAM T-2	Ø300 x 400	3,000	1	Ø 300 x 400
5		CNC Lathe Machine	OKUMA	LCS15E	Ø300 x 400	3,000	1	Ø 300 x 400
6		CNC Lathe Machine	OKUMA	LCS15	Ø300 x 350	3,000	1	Ø 300 x 350
7	Milling machine	CNC milling machine	DOOSAN	DNM5700	1050 x 570 x 510	12,000	1	1300 x 570 x 550
8		CNC milling machine	DOOSAN	DNM4500	800 x 450 x 510	12,000	1	750 x 450 x 500
9		NC Large Frame	OKUMA	NC-5V	1000 x 515 x 550	5,000	1	1000 x 500 x 500
10		CNC milling machine	MORISEIKI	FRONTER-MI	600 x 400 x 450	8,000	2	600 x 400 x 450
11		CNC milling machine	OSAKAKIKO	MCV-50	750 x 450 x 450	8,000	1	750 x 450 x 450
12		CNC milling machine	MAKINO SEIKI	MSA-50	800 x 490 x 400	15,000	1	800 x 490 x 400
13		CNC milling machine	MAZAK	AJV-18	600 x 350 x 400	8,000	1	600 x 350 x 400
14	Grinding machine	Surface Grinding Machine	OKAMOTO		700 x 400 x 300		1	700 x 400
15		Tool Grinding Machine	HITACHI	GT-200FR			1	2800v/p
16		Bench Grinder (Double-wheel Grinder)	CROWN	CT-1332			1	Ø 150 mm
17		Handheld Grinder	MAKITA	9556-HN			3	2800v/p
18		Stainless Steel Polishing Grinder	DCA	ASN-100			1	Ø 3800v/p
19	Drilling machine	Large Tapping and Drilling Machine	ENSHU	EVD-500			1	M3 - M24
20		Small Tapping Machine	TAPPING MACHINE	TM-HP			1	M3 - M8
21		Pneumatic Tapping Machine	GSD	GS128F			1	M3 - M12
22	Welding machine	Electric Welding Machine	OSHIMA	OSM-250			1	250A - 220V
23		MIG Welding Machine 350A	NATIONAL	DA-350			1	350A - 200V
24		TIG Welding Machine 300A	PANASONIC	WP300			1	300A - 380V
25	Others	Wire EDM Machine	ADG		500 x 400 x 200		2	500x400x100
26		Hole Drilling EDM Machine	AMASUN	MS-DZ430I			1	Ø0.3~3.0mm
27		Sandblasting Machine	TLANH	TL-12			1	8 kg/cm2
28		Polishing Machine	HDK	HSK-45			2	3000V/P
29		Band Saw Machine	HAMATEC	GH-175A			1	1,5 HP
30		Air Compressor	HITACHI	HISCREW 15A			1	20 KW
31		Forklift	HPT	HPT25M			1	2,500 Kg
32		And other tools and equipment						
<b>Total (Taiwan)</b>							<b>36</b>	

## List of production equipment of joint ventures

STT	Device name (Betnam language)	Equipment Name	Manufacturer	Model	Table Size (X x Y x Z)	Producing country	Quantity	Processing range
1	Lathe machine	Small Lathe Machine	TSUDA	TIPL-4		JAPAN - 1998	1	400 x 600
2		Small Lathe Machine	WASINO	LR-55A		JAPAN - 1980	1	300 x 500
3		Large Lathe Machine	TAKISAWA	TE-1500		JAPAN - 2003	1	Ø 1200 x 2000
4		Large Lathe Machine	TSUDA	TSV-23		JAPAN - 2003	1	800 x 1500
5		CNC Lathe Machine	TAKAMATSU	X15		JAPAN - 1998	1	Ø 150 x 300
6		CNC Lathe Machine	OKUMA & HOWA	AC2SP-2		JAPAN - 1990	1	Ø 200 x 200
7		6-axis CNC Lathe Machine	TSUGAMI	TMA6		JAPAN - 2003	1	Ø 300 x 600
8		CNC Lathe Machine	IKEGAI	TUR25		JAPAN - 1993	1	Ø 300 x 600
9		CNC Lathe Machine	MIYANO	BND-20		JAPAN - 1995	2	Ø 150 x 250
10		CNC Lathe Machine	TAKAMATSU	TYPE - 15		JAPAN - 1990	1	150 x 400
11		CNC Lathe Machine	MIYANO	8IN		JAPAN - 1996	1	Ø 205 x 250
12		CNC Lathe Machine	MORI SEIKI	DL150-236		JAPAN - 2005	1	Ø 205 x 250
13	Milling machine	Small Milling Machine	MAKINO	HA6-8636		JAPAN - 2002	1	300 x 500
14		Small Milling Machine	HITACHI SEIKI	MS-V		JAPAN - 1986	2	300 x 400
15		Small Milling Machine	HITACHI SEIKI	MS-P		JAPAN - 1986	2	300 x 400
16		Large NC Milling Machine	MAKINO	AGIINC-85		JAPAN - 1997	1	1000 x 500 x 400
17		Large NC Milling Machine	YAMASAKI	NZ-8N		JAPAN - 1989	1	600 x 1200
18		Large CNC Milling Machine	MORISEIKI	MV40		JAPAN - 1997	3	800 x 400 x 450
19		Large CNC Milling Machine	MITSUISEIKI	VS3A		JAPAN - 1992	1	800 x 400 x 450
20		CNC Milling Machine	FANUC	MNC-34		JAPAN - 2003	2	600 x 400 x 450
21		CNC Milling Machine	FANUC	A040-006-0201		JAPAN - 2003	2	600 x 400 x 450
22		Large NC Milling Machine	OKUMA & HOWA	FM-2W		JAPAN - 1994	1	400 x 900
23		OKK Milling Machine	OSAKAKIKO	MHA 800 II		JAPAN - 1990	1	2,000 x 900 x 900
		CNC Bed Milling Machine	VSL			TAIWAN	1	2500x 1000 x 800
24		CNC Bed Milling Machine	NEWAY	PM1220HA		CHINA	1	5000 x 2500 x 1000
25		CNC Milling Machine	KASAHARA	M-00067		JAPAN - 1990	1	700 x 400 x 450
26		4-axis CNC Milling Machine	MORISEKI	M-300L2		JAPAN - 1992	1	1800 x 450 x 500
27		Large 4-axis Milling Machine	TSUGAMI	M5		JAPAN - 1989	1	630 x 600 x 630
28		CNC Milling Machine	MATSUURA	MC-600VF		JAPAN - 1997	1	800 x 400 x 400
29		5-axis CNC Milling Machine	OHTORIKIKO	OSU-545		JAPAN - 1992	1	400 x 400 x 350
30		5-axis CNC Milling Machine	MORI SEIKI	ACCUMILL 4000		JAPAN - 1996	2	600 x 400 x 400
31	CNC Milling Machine	DMG MORI	ECOMILL 600V		JAPAN - 2016	4	600 x 560 x 510	

32		CNC Milling Machine	DMG MORI	ECOMILL 800V		JAPAN - 2016	1	800 x 560 x 510
33		CNC Bed Milling Machine	VITEC (Taiwan)			TAIWAN-2016	1	5000 x 2500 x 1000
34	Grinding machine	Profile Grinding Machine	WASINO - AS	ALS-135AS		JAPAN - 1997	1	130 x 250
35		CNC Shaft Grinding Machine	SHIGIYA	G-30ND		JAPAN -2 008	1	Ø300 x 600
36		CNC Grinding Machine	DIAPET			JAPAN - 2003	2	
37		NC Centerless Grinding Machine	NIPPEI	200		JAPAN - 1992	1	
38		EDM Machine	SODICK	X-EMD		JAPAN - 1986	1	400 x 450 x 350
39		Hole Grinding Machine	MITSUISEIKI	J2GB		JAPAN - 2007	1	Ø300 x 200
40		Tool Grinding Machine	DIAPET			JAPAN - 1982	1	
41		Tool Grinding Machine	STUGAMI	3470/2905RPM		JAPAN - 2003	3	60HZ - 200V
42		Tool Grinding Machine	KIDA			JAPAN - 1996	3	
43		Tool Grinding Machine	OKAMOTO			JAPAN - 2001	2	
44		Tool Grinding Machine	MARUEI	PUG-50A		JAPAN - 1992	1	Ø80 x 500
45		Endmill Grinding Machine	DIAPET	730NC3		JAPAN - 2002	1	
46		Shaft Grinding Machine	TOYODA	R5524		JAPAN - 2005	1	Ø100 x 500
47		Cylindrical Grinding Machine	TOYODA	GU28 - 5 , LG 141 - 4		JAPAN-1979	1	150 x 600
48		Surface Finishing Grinding Machine	ICHIKAWA	ICB-603		JAPAN - 1982	1	500 x 500
49		Surface Grinding Machine	HITACHI	GHL-B406		JAPAN - 1986	2	600 x 400
50		Surface Grinding Machine	OKAMOTO			JAPAN - 1986	1	600 x 400
51		Surface Grinding Machine	NIKKO			JAPAN - 2004	1	200 x 400
52		Small Double-wheel Grinder	TOAKIKAI	TOOL		JAPAN - 2015	3	Ø 200 mm
53		Double-wheel Grinder	OSAKA	KG - 8		JAPAN - 2015	2	Ø 150 mm
54	Drilling machine	Hand Drilling Machine	HITACHI	B23Y		JAPAN - 2015	1	125mm - 430mm
55		Small Drilling Machine	KIRA	B15Y		JAPAN - 2015	3	Ø 1 --> Ø 14
56		Medium Drilling Machine	KITAGAWA	KDT - 40		JAPAN - 2005	2	Ø 1 --> Ø 19
57		Large Drilling Machine	OOYA	N71-2442		JAPAN - 2002	1	Ø 1 --> Ø 200
58		Large Drilling Machine	ASHINA	AUD - 550		JAPAN - 2006	1	Ø 1 --> Ø 23
59		CNC Drilling Machine	MIYANO	TSV-23		JAPAN - 2002	2	400 x 250 x 400
60		Magnetic Drilling Machine	MAGNETIC CORE DRILL	SMD-502		TAIWAN - 2016	4	
61	Sheet metal processing machine	Saw Machine	AMADA	OS-101		JAPAN - 2005	1	Ø 200
62		Saw Machine	AMADA	250-350		JAPAN - 2005	1	
63		Saw Machine	GREAT CAPTAW	KILSER - 200		JAPAN - 1992	1	200 mm
64		Laser Cutting Machine	AMADA	FO-3015NT (4kw)		JAPAN - 2007	1	1500 x 3,500
65		CNC Bending Machine	AMADA	RG-80		JAPAN - 2002	1	2000mm
66		Plasma Cutting Machine	SON VU	SV-17		VINAM - 2014	1	1500 x 3,500
67		CNC Metal Punching Machine	AMADA	PEGA-357		JAPAN - 1998	1	1500 x 3000
68		Mentori Machine	JAM	IK-56		JAPAN - 2012	1	300W-100V
69		Wire EDM Machine	FANUC	AW-2		JAPAN - 1990	1	350 x 650
70		Wire EDM Machine	FANUC	ALPHA-C400IA		JAPAN - 2016	1	370 x 270 x 255

71		Wire EDM Machine	FANUC	ALPHA-C600IA		JAPAN - 2016	1	600 x 400 x 310
72		Small Press Machine	SANKEI	LP - 150		JAPAN - 1987	4	30 ton
73		Hydraulic Press Machine	SANKEI	PRS-5		JAPAN - 1985	1	250mm/sec
74		Sandblasting Machine	TLANH	TL-12		VINAM - 2015	1	8 kg/cm2
75		Polishing Machine	HDK	HSK-45		JAPAN - 2002	2	
76	Heat treatment - Other	Thread Cutting Machine	GOTOKIKAI	FKB5-516-1		JAPAN - 2006	1	Ø 200 x L150
77		Thread Rolling Machine	NISSEI	FA-55		JAPAN - 2003	1	M 3 --> M 18
78		Vacuum Heat Treatment Furnace	SIMADZU	VHO-30		JAPAN - 1997	1	500 x 600 x 500
79		Heat Treatment Furnace	TKS	TKS223		KOREA - 2014	1	
80		Heat Treatment Furnace	YAMASHI	YS23-V5		JAPAN - 2014	1	
81		Tempering Furnace	THERMO-PLUS	SMSPO111		JAPAN - 2002	1	800 x 800 x 1000
82		Saw Machine	GREAT CAPTAW	KILSER - 200		JAPAN - 2006	1	200 mm
83		Forklift	TOYOTA	8FGL18		JAPAN - 2010	1	1,500 Kg
84		Pneumatic Tapping Machine	GSD	GS128F		CHINA - 2017	2	
85		Air Compressor	HITACHI	HISCREW OSP - 30A		JAPAN - 2011	2	30 KW
86	Welding machine	Electric Welding Machine	HITACHI	AWL-250		JAPAN - 2014	4	250A - 200V
87		CO2 Welding Machine 500A	DAIHEN	CPXD-500(S-1)		JAPAN - 2015	1	500A - 200V
88		CO2 Welding Machine 350A	PANASONIC	KRII350		CHINA - 2015	3	350A - 380V
89		TIG Welding Machine	NERTABLOC	TH260P		CHINA - 2015	1	500A - 220V
90		TIG Welding Machine 300A	PANASONIC	WS300		JAPAN - 2015	1	300A - 200V
91		TIG Welding Machine	ECOPOWER	WS 200		JAPAN - 2015	1	200A - 200V
92		TIG Welding Machine	JASIC	TIG 315P		JAPAN - 2013	1	315A - 380V
93		CO2 Welding Machine 350A	EASY WELD	MIG ALL 350		JAPAN - 2012	1	350A - 380V
94		Welding Robot	DAIHEN	AX-V4AP		JAPAN - 2010	1	
95		Welding Robot	DAIHEN	DR-4000		JAPAN - 2010	1	
96	Measuring machine	3D Measuring Machine	X-CITE	XCITE 55-60		GERMANY-2012	1	550 x 600 x 420
97		Profile Measuring Machine	MITUTOYO	BJ-A300		JAPAN - 2006	3	300 x 300
98		Profile Measuring Machine	SLOKAIVIS	ORAMA		FRANCE - 2006	2	400 x 400
99		Hardness Tester	FUTURE TECH	FR-E SERIES		JAPAN - 2015	1	
100		Surface Roughness Tester	MITUTOYO	SJ-310		JAPAN - 2015	1	
<b>Total (units) TỔNG SỐ MÁY</b>							<b>143</b>	