

III. Manufacturing Capabilities

- Locating in the east area of Jiangyou Industrial Park, Sichuan Province. Owning a 63,141 m² construction land, 94.7 mu equivalently;
- Assembly workshop: 12,880.37 m²;
- Machining workshop : 16981.24 m²;
- It's proposed to manufacture 1,200 sets of complete jigs, manipulators and grippers per year, which could be further used in automobile welding lines.



Land area is nearly 500,000 square meters, comprised of 14 workshops for wooden molds, cast steel, non-ferrous metal casting and die-casting, riveting, metal cutting, electrical automation equipment assembly, heat treatment, lifting, screw transport and non-standardized equipment manufacturing. It has nearly 1537 sets of main processing equipment including 108 sets of key equipment (precision, large-scaled, rare, and once were in the management of original machinery department) and more than 30 sets of imported ones. This has formed a mechanical/processing/ manufacturing system with a relatively complete range of categories, and the strength to process nearly 30,000 tons of mechanical products annually.

Equipment List

SN	Equipment	Speciation	QTY	Control System	Max. Speed (rev/min)	X-directi on Str oke (mm)	Y-directi on Str oke (mm)	Z-directi on Str oke (mm)	SN	Equipment	Speciation	QTY
1	CMM	Daisy10158	1	UCC/AC-DMS		1000	1500	800	36	NC lathe	CK6136	2
2	CMM	ATLAS256020	1			2500	6000	2000	37	General lathe	CW6280X1500	1
3	CMM	Inspector Classic12.22.10	2			1200	2200	1000	38	General lathe	CD6140A	1
4	CMM	Inspector Classic15.30.12	1			1500	3000	1200	39	General lathe	CY6150*1000	2
5	Projector	VMS-4030G	1	QMS3D-M		400	300	150	40	Horizontal boring/milling machine	TPX6113	1
6	5-axis linkage compound machining center	β 1528	1	Heidenhain iTNC530	24000	3000	2200	800	41	Horizontal boring/milling machine	TPX6113-2	1
7	CNC gantry-type 5-axis machining center	GFC3032	1	Heidenhain iTNC530	24000	3200	2200	1100	42	Horizontal boring/milling machine	TPX6113-2	1
8	5-axis high-speed milling center	DFS2715	4		24000	2700	1600	1000	43	EDM punching machine	MS-DZ430C	1
9	Fixed beam gantry-type machining center	GLU28×40	1	FANUC	6000	4000	2400	1000	44	Wire cutting machine	HF500	1
10	Fixed beam gantry-type machining center	GNU28*40	2			4200	2800	1250	45	Wire cutting machine	HF320	2
11	Vertical gantry-type machining center	JUMA 3018	1	Mitsubishi	6000	3000	1750	800	46	Wire cutting machine	HF500Z	2
12	Vertical gantry-type machining center	G-V2030C	1	FANUC	13000	3200	2700	1000	47	NC sawing machine	H-330NC	1
13	Gantry-type pentahedron machining center	GMC2040u	1	FANUC	6000	4200	3200	1000	48	Sawing machine	GD4230	1
14	CNC gantry-type boring/milling machine	XKAE2420×50	1	Siemens	6000	5000	2400	1300	49	Angular sawing machine	SHARK281	1
15	CNC gantry-type boring/milling machine	XK2316-4	1	Siemens	6000	4000	2000	900	50	Universal milling machine with lifting platform	X63	1
16	5-axis linkage machining center	LU-800	1		12000	800	900*330	620	51	Universal milling machine with lifting platform	X6132	3
17	Vertical machining center	HEMI200	2			1250	530	600	52	Digital-display turret-type milling machine	4SA	4
18	Vertical machining center	F9	3			1600	800	650	53	Universal radial milling machine	X6325	1
19	Vertical machining center	CMX-1100VC	2			1100	560	510	54	Vertical milling machine with lifting platform	X5032	7
20	High speed gantry-type machining center	H16	1			1600	1300	700	55	Vertical milling machine with lifting platform	X52K	2
21	4-axis vertical machining center	T-V1165S	4	Mitsubishi	12000	1100	650	580	56	Surface grinding machine	GM-150A	1
22	Vertical machining center	T-V1165S	4	Mitsubishi	12000	1100	650	580	57	Surface grinding machine	M7130	1
23	Vertical machining center	VM1706H	2	FANUC	6000	1500	800	680	58	Surface grinding machine	M7132	1
24	Vertical machining center	GD1580	1	G&D	6000	1500	800	800	59	Universal cylindrical grinder	MG1432A x 1500	1
25	Vertical machining center	TANKAN 1060	1	FANUC	10000	1060	600	600	60	Semi-automatic flame cutting machine	CG1-30	1
26	Vertical machining center	JUMA 850	1	Mitsubishi	10000	800	500	500	61	NC flame/ plasma cutting machine	3*7.5A-D1H1-120I	1
27	Vertical machining center	T1375L	1	Mitsubishi	6000	1300	750	650	62	NC flame cutting machine	GC-3X20A-H1	1
28	Vertical machining center	CV-850	1	Mitsubishi	10000	800	550	550	63	Gas shielded welding machine	YD-350KR	8
29	Vertical machining center	T-V856S	2	Mitsubishi	12000	800	550	600	64	DC TIG welding machine	YC300WF	1
30	Compound turning/milling machine	CH6550DY	1	SYNTEC	3500	250	90	530	65	DC welding machine	ZX5-400D	1
31	Turning center	CK6536B	2	SYNTEC	4500	190		350	66	DC welding machine	ZX7-250	1
32	Turning center	CK6560AB	3	SYNTEC	2000	230		605	67	Radial drilling machine	Z3050×16/1	4
33	NC lathe	CV-K6150B	1	GSK	2000	250		1000	68	Ultrasonic Thickness Gauge	PX-7	1
34	Turning center	HTC4075	1	FANUC					69	Portable 3D Measuring Instrument	FARO P08 2400	1
35	NC lathe	CK6180	1	FANUC								

Equipment List

Category	Equipment & Speciation	QTY	Remarks
Cast Steel	3T electric arc steelmaking furnace	1	Simultaneous smelting, 40T steel castings can be poured at one time, largest size ϕ 7.5m.
	8T electric arc steelmaking furnace	1	
Riveting	B81120A edge planer, edge milling machine	2	Plate bevel planning for kilns, mills and other equipment, available for plate 12m*100mm (L*T) .
	19~120mm plate rolling machine	5	Available for max. plate 80*4000mm, 120*2500mm.
	Photoelectric tracking cutting machine (Germany), plasma cutting machine, various types of CNC cutting blanking	5	
	Automatic submerged arc welding, CO2 shielded welding	80	
Heat Treatment	Annealing furnace, 6*6*20m, 4*4*10m	2	Available for overall annealing of large equipment
	Pit furnace, Φ 2000*15000mm, ϕ 950*1220mm, ϕ 800*1500mm	5	Available for surface quenching of pinions of various types of equipment
	Desktop furnace, intermediate frequency quenching machine, carburizing treatment	20	
Metal Processing	8m gantry-type planer, 4m gantry-type milling machine	3	Φ 2.8*8m
	Φ 10m vertical lathe, ϕ 8m vertical lathe, ϕ 5m vertical lathe, ϕ 4m vertical lathe	4	Φ 8*3.3m, ϕ 6.3*3.3m, ϕ 5*2.5m, 120t bearing
	Φ 8*30m heavy-duty floor-standing lathe, Φ 5*20m floor-standing lathe	2	Used for the overall processing of the mill barrel, one-time clamping, and one-time processing two end faces.
	Φ 1*8m, Φ 2*10m heavy-duty horizontal lathe	2	Used for turning all types of shafts.
	T6916B boring/milling machine, various types of boring machine	10	Φ 160mm boring machine shaft, Φ 260mm milling machine shaft, 6000mm column stroke
	Rfh- Φ 100/3000 radial drilling machine	3	Φ 100mm orifice diameter, 3000mm horizontal stoke of main shaft box
	Φ 10m gear hobbing machine, Φ 5m gear hobbing machine, 3.2m gear hobbing machine, 2m gear hobbing machine, etc.	5	Available for maximum Φ 8m, Φ 5.5m, m=30(milling/hobbing), m=50 (single hobbing)
	Internal/external cylindrical grinding, flat grinding, gear grinding	20	External cylindrical grinding Φ 500*2000mm Gantry-type milling 4000*1250*1250mm
Inspection	Φ 4*10m radiographic testing room	1	
	Seat type/portable X-ray machine, ultrasonic flaw detection room	Many	
	Magnetic particle inspection, coloring inspection		

Equipment Photos



3-axis Gantry-type Machining Center



5-axis Gantry-type Machining Center



4-axis Machining Center



Compound Turning/Milling Machine



Equipment Photos



Equipment Photos



NC EDM Punching Machine



NC Lathe



Vertical Machining Center



Projector



CMM