



Fujita Works

Equipment  
Technology

2021.9.29

#### Relating to IT system

No.	Facility Name	Manufacturer	Quantity	Introduced in	Feature	Notes
1	MetaCAM (CAD/CAM)	Faservice	13	2010	3D CAD/CAM	
2	MetaCAM (BendCAM)	Faservice	1	2016	3D BendCAM	
3	IRONCAD 2016	IRONCAD	2	2017	3D CAD software for mechanical design	
4	Inventor	Auto desk	3	2008	3D CAD software for mechanical design	Installed as required
5	SOLID WORKS	Dassault Systèmes	1	2018	3D CAD software for mechanical design	
6	ROZA (CAD/CAM)	Willy	2	2007	3D CAD/CAM	
7	FW Dash Borad System	Original	-	2006	Management Strategy Support System	
8	Auto CAD 2000i	Auto desk	1	2001	General Purpose 3D CAD	
9	3D CAD/CAM CADMAC2000	Digital system	3	2000	All direction,General Purpose 3D CAD/CAM	
10	CAD/CAM TOPS-100	TRUMPF	2	2000	2D Laser CAD/CAM	
11	CAD/CAM TruTops Punch	TRUMPF	2	2016	Laser/Punch Mixed System CAD/CAM	
12	CAD/CAM TruTops Tube	TRUMPF	2	2016	Pipe Processing CAD/CAM	
13	Intranet System		-	When required	Building Groupware	Installed as required

#### Laser/Punch equipment

No.	Facility Name	Manufacturer	Quantity	Introduced in	Working Dimension (mm)	Plate Thickness	Working Force	Notes
1	Laser Cutting Machines (Fiber Laser)	TRUMPF	1	2011	1,525L × 3,050L		±0.05mm	TruLaser5030fiber 5kw
2	NC Laser Punch Press FMC 4KW	TRUMPF	2	2009 - 2018	1,660L × 3,120L	0.05mm~3.2mm	±0.03mm	TruMatic7000
3	NC Laser 5KW (with palette changer)	TRUMPF	1	2004	1,525L × 3,048L	0.05mm~2.5mm	±0.05mm	L3050
4	NC Turret Punch Press FMC (with ATC)	Anritsu	1	1997	1,000L × 2,000L	0.3mm~2.3mm	±0.05mm	KF-717BS
5	NC Turret Punch Press	Anritsu	1	1988	1,220L × 2,000L	0.5mm~6.0mm	±0.05mm	K-818D
6	Metal Saw	Hitachi	2	1999	φ100MAX	-	-	-
7	Shearing	Amada	1	1986	2,500L × 4.5t	0.5mm~4.5mm	-	-
8	2D Fiber Laser Pipe processing machine	FujitaWorks,LPS Works	1	2017	4,050L		±0.05mm	3KW

#### Bending equipment

No.	Facility Name	Manufacturer	Quantity	Introduced in	Working Dimension (MAXmm)	Working Force	Notes
1	NC bending	TRUMPF	1	2016	2,720L	850kn(85t)	TruBend5085
2	NC bending	TRUMPF	1	2011	3,230L	1700kn(170t)	TruBend5170
3	NC bending (with servo)	TRUMPF	5	2009	1,020L	360kn(36t)	TruBend7036
4	NC bending (hybrid)	TOYO-KOKI	2	2001/2011	3,000L	600kn(60t)/1750kn(175t)	HYB-6020 / HYB-175
5	NC bending (with servo)	Amada	1	2007	200L	60kn(6t)	FMB-062
6	NC bending (3 point)	Marukikaikougyo	1	1999	3,000L	1500kn(150t)	3P-150-30
7	NC bending (3 point)	Muratec	1	2017	2,500L	1100kn(110t)	3P-110-25
8	NC bending (with ATC)	Marukikaikougyo	1	1995	4,000L	2500kn(250t)	Three molds automatic change
9	NC bending robot	Nachi robot	1	2007	Conveyable weight: 40kg	-	Full automatic bending system
10	NC bending	Amada	1	1987	3,000L 2000L	1000Kn,800Kn	RG-100 RG-80S
11	Press machine	Amada	1	1986	180Stroke	800Kn	TP-80C
12	Roll bending machine	Sumitani Works	2	2005	Min.roll diameter: 500mm	SUS2mm	
13	CNC Roll bending machine	nosstec	1	2020	Min.roll diameter: 1040mm	SUS2mm	Automatic feeding Mechanic
14	Press fitting machine	Korma	1	2010	-	60Kn(6t)	700HS
15	Press fitting machine	FAB-ACE	1	2018	-	0.5~50Kn	FCP-50i
16	Press Transport / carry-out system(UNIVERSAL ROBOT)	FAB-ACE	1	2021	-	-	2 robot specifications



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#### Welding equipment

No.	Facility Name	Manufacturer	Quantity	Introduced in	Working force	Plate Thickness · Notes
1	Laser welding system	TRUMPF	1	2011	Laser power 3000w	Robot, 2 Positioners
2	TruLaser Handy	TRUMPF	1	2012	Hand pen type	
3	Condenser-type spot welding machine(6A)	Origine	2	2003	Span 800mm orthogonal type	orthogonal type 5 layers simultaneous welding system
4	Condenser-type spot welding machine(5A)	Origine	1	2000	Span 600mm orthogonal type	0.5t~1.6t
5	Condenser-type spot welding machine(V5A)	Origine	1	1999	Span 650mm	0.8t~1.6t
6	Condenser-type spot welding machine(6A)	Origine	1	1999	Span 800mm orthogonal type	2.6t×2
7	Vertical automatic welding machine	welding machine Amada	2	2000		
8	Stud welding machine	Japan Drive-It	2	1999	φ10 MACX	
9	Spot welding machine	Daiden	1	2020	3.2t MAX	
10	Tig welding machine (inverter)	Daihen · Panasonic	23	When required	Updated as required	Enlarged installation
11	CO2 welding machine (inverter)	Daihen	4	-	Mag	
12	Welding robot	Panasonic	1	2018	Tig Mag	TAWAERS TIG
13	Welding robot	Panasonic	1	2020	Mig Mag	Super Active TAWAERS
14	Tig Welding support robot (UNIVERSAL ROBOTS)	FAB-ACE	1	2020	Tig	Co Tig Welders
15	Table Elevation system(MY SPOT)	Koyo giken	2	2015 - 2018	Table Size 1000×800mm	[SPC:3.2] [SUS:3] [AL:2.0]

#### Coating equipment

No.	Facility Name	Manufacturer	Quantity	Introduced in	Feature	Inside Dimension
1	Coating Booths	Anest Iwata	1	2012	Air Balance Booth	H2300×W4000×D2000
2	Drying Ovens	Arita-tekkousyo	1	2012	Gas-Heated Hot Air Drying Oven	H2500×W2500×D4000
3	exhaust system Haiki-man A20S	Andex	2	2012	local exhaust ventilation	
4	Powder coating machine	WAGNER	1	2018	Powder coating gun	

#### Finishing equipment

No.	Facility Name	Manufacturer	Quantity	Introduced in	Purpose	Precision
1	Electro shiner	Chemical Yamamoto etc.	4	-		
2	Electro buffer	Shimomura Denyusha	2	2000		
3	High accuracy auto tapping machine	Brother	5	2007		
4	Belt polishing machine ( three-dimensional)	Hibiki Corporation	1	2016	Polishing HL · #400	Meister2
5	Belt polishing machine ( long length)	Hibiki Corporation	1	2016	Polishing HL · #400	Meister11
6	Tapping ball	Hitachi	3	-		
7	Flat polishing machine	Amada Washino	1	1991		±0.002mm~0.03mm
8	Deburring machine	S.T-Link	1	2014		1300L
9	Disc deburring machine	LOEWER	1	2017		2TD-500 500L
10	Disc deburring machine	LOEWER	1	2017		4TD-1000 1000L
11	Distortion removal machine	Hinotec	1	1999	Distortion removal	t0.5~t3.2 W~1830
12	Flat plate washing machine	Fabace	1	2016	t6.0 width800mm	Flat plate alkali Degreasing washing

#### Carrying equipment

No.	Facility Name	Manufacturer	Quantity	Introduced in	Purpose	Precision
1	Electric forklift	Toyota	3sets	2007 - 2018	2.0t - 2.5t	
2	3t truck(Wing body)		2sets		3.0ton	

#### Other

No.	Facility Name	Manufacturer	Quantity	Introduced in	Purpose	Precision
1	Mark Two 3D printer	Markforged	1	2019	3D printer(plastic material, fiber material)	320 mm x 132 mm x 154 mm