

Production Equipment

Japan: Kawabe Co., Ltd. Thailand: Kawabe precision (Thailand) Co., Ltd.

Production Equipment

Japan

Equipment name	Number of Units	Manufacturer
Servo Press 110t NS2-1100(D)	1 unit	Aida
Straight Side Press 110t E2W110	1 unit	Komatsu
Press 110t NC1-110.NC2-110	2 units	Aida
Press 80t NC1-80	1 unit	Aida
Press 80t NC1-800(3)E	2 units	Aida
Press 45t NC1-450(1)E	3 units	Aida
Press 45t TP45EX	2 units	Amada
Press 15t TP15FX	3 units	Amada
Press for trimming 7t MA7000	14 units	CGK
Servo Press for trimming 5t SBP505AE	2 units	JAM
Press for trimming 3t M300	27 units	CGK
Vertical Injection Molding Machine (Rotary tape) 220t TNX220RⅢ25V	1 unit	Nissei Plastic
Vertical Injection Molding Machine (Rotary tape) 150t TNX150R3Ⅲ25V	2 units	Nissei Plastic
Vertical Injection Molding Machine (Rotary tape) 100t TNX100R	5 units	Nissei Plastic
Vertical Injection Molding Machine (Rotary tape) 75t TNX75R12V	1 unit	Nissei Plastic
Vertical Injection Molding Machine (Rotary tape) 70t JT70RAD-110V	3 units	JSW
Vertical Injection Molding Machine (Rotary tape) 70t JT70REII-110V	5 units	JSW
Vertical Injection Molding Machine (Rotary tape) 50t TNX50RⅢ5V	3 units	Nissei Plastic
Vertical Injection Molding Machine (Rotary tape) 50t TNX50RⅢ2V	1 unit	Nissei Plastic
Vertical Injection Molding Machine (Rotary tape) 40t JT40REII-55V	1 unit	JSW
Vertical Injection Molding Machine (Rotary tape) 20t STX20R2V	1 unit	Nissei Plastic
Vertical Injection Molding Machine (Rotary tape) 20t JT20REII-20V	1 unit	JSW
Vertical Injection Molding Machine (Single-stage tape) 70t TH70-9VSE	1 unit	Nissei Plastic
Vertical Injection Molding Machine (Single-stage tape) 40t TH40-5VSE	1 unit	Nissei Plastic
Hoop molding line (With injection machine ST20-2V of Nissei Plastic)	2 lines	(Original)
duAro1 Dual-arm SCARA Robot(Use for automatic production line)	2 units	Kawasaki Heavy Industries
Inverter-controlled direct current spot welding machine, ID40IIE	1 unit	Amada
Hydrocarbon-based full automatic parts washing machine, FVH2-3040RC	1 unit	Cleanvy

Thailand

Equipment name	Number of Units	Manufacturer
Press 250t NC2-250	2 units	Aida
Press 200t PUX-200	1 unit	Amada
Press 160t NC2-160	1 unit	Aida
Press 150t NC1-150	1 unit	Aida
Servo Press 150t DSF-C1-1500A2	1 unit	Aida
Press 150t PUX-150	1 unit	Amada
Press 80t NC1-80	9 units	Aida
Press 80t PXL-80N	1 unit	Amada
Press 80t PUX-80	1 unit	Amada
Press 80t TP-80C-X2	2 units	Amada
Press 60t TP60C-X2	2 units	Amada
Press 60t OBS60-34	1 unit	Komatsu
Press 45t NC1-45	3 units	Aida
Press 45t PUX-45	3 units	Amada
Press 45t TP45C-X2	2 units	Amada
Press 35t NC1-35	2 units	Aida
Press 25t PUX-25	1 unit	Amada
Press 12t	2 units	Endo
Press 10t HYP1000	2 units	JAM
Press 7t MA-7000	7 units	CGK
Press 3t M300	4 units	CGK
Vertical Injection Molding Machine (Rotary tape) 150t JT150REII-230V	2 units	JSW
Vertical Injection Molding Machine (Rotary tape) 150t JT150RAD-230V	1 unit	JSW
Vertical Injection Molding Machine (Rotary tape) 70t JE70RE II-110V	1 unit	JSW
Vertical Injection Molding Machine (Rotary tape) 70t JT70RAD-110V	10 units	JSW
Vertical Injection Molding Machine (Rotary tape) 40t JE40RE II-55V	1 unit	JSW
Vertical Injection Molding Machine (Rotary tape) 40t JT40RAD-20V	2 units	JSW
Vertical Injection Molding Machine (Rotary tape) 40t JT40RAD-55V	4 units	JSW
Injection molding machine 85t J85ELⅢ	1 unit	JSW
Carbon Hydride Type Fully Automatic Washer (Parts Washer)	2 units	Cleanvy
Dry Barrel Grinder	1 unit	SintoKogio

Machine tool

Japan

Equipment name	Number of Units	Manufacturer
Brickcad	1 unit	BRICSYS
CAD/CAM	1 unit	Elysium
Wire Cutting Electric Machine FA10PS	1 unit	Mitsubishi
Wire Cutting Electric Machine FX30K	1 unit	Mitsubishi
Die-Sinking Electrical Discharge Machine EA12V	1 unit	Mitsubishi
Smallhole Drilling Machine CDH-5A	1 unit	Astec
Milling Machine VHR-SD	1 unit	Shizuoka
Milling Machine KS	1 unit	Makino
Surface Grinder PSG-64DX	1 unit	Okamoto
Surface Grinder GS-515PF	1 unit	Kuroda
Surface Grinder GS-BM2	2 units	Kuroda
Lathes EC-18	1 unit	Ikegai
AERO LAP YT-300	1 unit	Yamashita Works
Clipika Ace (Mold Cleaning Machine) CPⅢ-30-P11	1 unit	Somax
Welding Machine DY0265, GT25-0097	1 unit	Japan Techno Engineering

Thailand

Equipment name	Number of Units	Manufacturer
CAD/CAM	3 units	Autodesk, etc.
Wire Cutting Electric Machine AQ535L	1 unit	Sodick
Wire Cutting Electric Machine MV1200S	1 unit	Mitsubishi
Wire Cutting Electric Machine BA24	1 unit	Mitsubishi
Die-Sinking Electrical Discharge Machine AM3L	1 unit	Sodick
Smallhole Drilling Machine K1C	1 unit	Sodick
Milling Machine H48-1025	1 unit	Makino
Surface Grinder 64ST	1 unit	Okamoto
Surface Grinder GS515-PF	1 unit	Kuroda
Surface Grinder GS-BM2	4 units	Kuroda
Cylindrical Grinding Machine PMG-3	2 units	Suzuki
AERO LAP YT-100	1 unit	Okamoto
Clipika Ace (Mold Cleaning Machine) CPE-30-P	1 unit	Somax

Measurement Instrument

Japan

Equipment name	Number of Units	Manufacturer
Coordinate Measuring Machine CRYSTA-APEX S544	1 unit	Mitutoyo
Coordinate Measuring Machine BH-V 504	1 unit	Mitutoyo
Digital Microscope VHX-500	1 unit	Keyence
Image Dimension Measurement System IM-6000	1 unit	Keyence
Image Dimension Measurement System IM-7000	1 unit	Keyence
Image Dimension Measurement System LM-1000	1 unit	Keyence
Height / Flatness Measuring Machine HM-1000	1 unit	Keyence
Wide-Area 3D Measurement System VR-5000	1 unit	Keyence
TXView X-ray non-destructive inspection equipment (With orthogonal CT)	1 unit	Toshiba

Thailand

Equipment name	Number of Units	Manufacturer
Coordinate Measuring Machine CRYSTA-APEX V544	1 unit	Mitutoyo
Measuring Projector PJ-A3000	1 unit	Mitutoyo
Digital Microscope VHX-500	1 unit	Keyence
Surftest SJ-210 (Portable Surface Roughness Tester)	1 unit	Mitutoyo
Contracer CV-3100S4	1 unit	Mitutoyo
iNEXIV Multi-sensor Measuring System VMA-2520	1 unit	Nikon
Image Dimension Measurement System IM-6020	1 unit	Keyence
Image Dimension Measurement System LM-1100, LM-X100TL	2 units	Keyence