

Model and Number of Machinery Equipment

Major production and measurement equipment includes:

- 150 sets of CNC milling machines with rotary index from USA, Taiwan, Korea, Japan
- 34 sets of CNC turning lathe
- 20 sets of forging machines
- 20 sets stamping and deep drawing machines
- 30 sets of die casting machines
- 1 set of large stroke waterjet cutting machines
- 1 set of Robotic Welder
- 1 set Zeiss CMM
- 1 set Micro-Vu optical measuring machine
- 1 set contour measuring machine
- 1 set spectrometer
- 1 set magnetic particle inspection machine

150 SETS CNC MILLING MACHINES & ROTARYTABLES		
EQUIPMENT MODEL	QTY	FEATURES
Fanuc Robodrill α14i Series	6	14-Tools / 500mm x 400mm (X-Y Travel)
Fanuc Robodrill α21i Series	3	21-Tools / 500mm x 400mm (X-Y Travel)
Fanuc Robodrill α14i L-Series	2	14-Tools / 700mm x 400 (X-Y Travel) / Long Table
Brother TC-S2A	1	14-Tools / 500mm x 400mm (X-Y Travel)
Tsudakoma Rotary Table	13	5-Axis / CNC Control
VMC-1400	1	24-Tools / 1400mm x 720mm (X-Y Travel)
Doosan CNM 560	30	24-Tools / 560mm x 410mm (X-Y Travel)
S7 Linear motor CNC milling machine	3	20-Tools / 700mm x 500mm (X-Y Travel) / 30000 Turns Spindle Revolution / Super High Accuracy / Marble Bed structure / High Speed
FHR-320 rotary table	1	320mm Dia. Mounting Plate / Rotary & Tilting
Tan Shing MRNC320 4 th Rotary Index	5	400mm Diameter Mounting Plate
YCM CV-102A	6	24-Tools / 1020mm x 600mm (X-Y Travel)
Max see MSV-650	3	24-Tools / 650mm x 410mm (X-Y Travel)
YCM-CV65A	60	20-Tools / Heavy Duty / 560mm x 410mm (X-Y Travel)
Doosan Infra Core DNM 500	6	30-Tools / Heavy Duty / 1020mm x 540mm (X-Y Travel)
Arcade AR-2024L	1	24-Tools / 560mm x 410mm (X-Y Travel)
Arcade AR-3120L	5	24-Tools / 650mm x 410mm (X-Y Travel)
Tan Shing TRNC210 2-Axis Rotary Index	3	210mm Diameter Mounting Plate / Rotary & Tilting
Tan Shing VRNC210 4 th Rotary Index	1	210mm Diameter Mounting Plate

34 SETS CNC LATHES		
EQUIPMENT MODEL	QTY	FEATURES
Taka Maz X-10	1	Turret Type / Standard Machine
Taka Maz X-12	1	Turret Type / Standard Machine with Milling Function
Taka Maz XY-12	2	Turret Type / 5-Axis Controllable / Diameter 42mm Bar Capacity Milling Function & Back Spindle
Hitachi Seiki TS-15	2	Turret Type / Tail Stock / Diameter 46mm Bar Capacity / Tailstock
Mazak Quick Turn Nexus100	4	Turret Type / Tail Stock / Diameter 42mm Bar Capacity / Tailstock
Techno Wasino G-07	3	Gang Type / Very High Precision with Robot
Nomura NN-10T	1	Swiss-Turn Machine / Standard Machine / Diameter 1/2" Bar Capacity with Bar Feeder
Nomura NN-10SII	1	Swiss-Turn Machine / Milling Function / Diameter 1/2" Bar Capacity with Bar Feeder

Nomura NN-10C	1	Swiss-Turn Machine / Standard Machine / Diameter 10mm Bar Capacity with Bar Feeder / High Speed
Nomura U-III	2	Swiss-Turn Machine / Diameter 1" Bar Capacity / Milling Function with Bar Feeder
Nomura NN-16SB7	2	Swiss-Turn Machine / Milling Function / Diameter 16mm Bar Capacity with Bar Feeder 5-Axis Controllable / Sub-Spindle
Citizen BL-25	1	Swiss-Turn Machine / Diameter 1" Bar Capacity / Milling Function with Bar Feeder & Back Spindle
Taka Maz Attack BII	1	Swiss-Turn Machine / Turret Type / Diameter 20mm Bar Capacity with Bar Feeder
Citizen B-12	1	Swiss-Turn Machine / Standard Machine / Diameter 1/2" Bar Capacity with Bar Feeder
Citizen A-16	2	Swiss-Turn Machine / Standard Machine / Diameter 16mm Bar Capacity with Bar Feeder
Citizen B-20	1	Swiss-Turn Machine / Standard Machine / Diameter 20mm Bar Capacity with Bar feeder
Haas TL-2 CNC Lathe	1	For Over 1 meter Long Shaft Turning
Nomura NN-32YB	1	Swiss-Turn Machine / Milling Function / Diameter 32mm Bar Capacity with Bar Feeder 5-Axis Controllable / Sub-Spindle
Nomura 20UB3	1	Swiss-Turn Machine / Milling Function / Diameter 1" Bar Capacity with Bar Feeder 5-Axis Controllable / Sub-Spindle
Doosan Puma 215II	2	Turret Type / Tail Stock / Diameter 65mm Bar Capacity / Tailstock / Max Turning Diameter 460mm, Length 500mm
Doosan Lynx 225M	2	Turret Type / Tail Stock / Diameter 65mm Bar Capacity / Tailstock / Max Turning Diameter 460mm, Length 500mm / Side Drilling

20 SETS FORGING MACHINES

EQUIPMENT MODEL	QTY	FEATURES
Hate Bur AMP 70	5	Fully Automated Horizontal Hot Forging Line
Duplex EXY12500 Wedge Hot Die Press	7	Suitable for Multi-Step Forging
South Korea JAEWOO 4000T Forging Production Line	4	4000T Force / 400mm Stroke / 50 Strokes per Minute
South Korea JAEWOO 6300T Forging Production Line	4	460mm Stroke

20 SETS STAMPING MACHINES

EQUIPMENT MODEL	QTY	FEATURES
World 200T Press	1	Open Type Single Point Precision
150T/200T Hydraulic Press	1	Deep Drawing
20T-40T Capacity	8	Fly Wheel Press
Degao 25T Punch Press	1	Open Type Single Point Precision
Degao 45T Punch Press	3	Open Type Single Point Precision
Degao 60T Punch Press	5	Open Type Single Point Precision
Degao 125T Punch Press	2	Open Type Single Point Precision

30 SETS DIE CASTING MACHINES

EQUIPMENT MODEL	QTY	FEATURES
RDC160C	10	Die Locking Force 1600KN, Die Stroke 350mm
RDC300	5	Die Locking Force 3000KN, Die Stroke 460mm
RDH38F	5	Die Locking Force 380KN, Die Stroke 200mm
RDH18N	5	Die Locking Force 180KN, Die Stroke 150mm

RDH138F	3	Die Locking Force 1380KN, Die Stroke 290mm
RDH200M	2	Suitable for Magnesium Alloy Die Casting

OTHER EQUIPMENT (MISC)		
EQUIPMENT MODEL	QTY	FEATURES
Cummins Generator	2	250 KVA & 380 KVA
Bead-Blasting Machine	3	Bead-Blaster
Ultrasonic Degreasing Machine	3	Degreaser
KTC Super EDM Drill SD-1M	1	Drill Very Small Hole (Orifice) / Diameter 0.08 (0.0003")
Saw Cutting Machines	many	Saw Cutter
OD Grinding Machine	1	OD Grinder
OTC Daihen Robotic Welder	1	CNC Control / OTC Daihen Robot / All V6+DA-300P TIG Power Source DM-350 MIG Power Source
Fu Hui Automatic Saw Cutting Machine	1	GX-375NC / Servo Motor Control / Up to 60mm Round Bar Stock / 75mm Tubing
Vapor Degreaser	1	MUO-3006R / 3 Tanks / Each 195mm x 275mm x 320
Production Line Conveyor Belt	1	40 Feet
Flow Waterjet PRO 4020B Abrasive Cutting System	2	Capacity: 2000mm x 4000mm Plate Dimension, ± 0.1 mm Accuracy / CNC Control
Gold San CNC Wire-Cut Machine	5	Capacity: 400mm x 500mm x 300mm
Tube Roll-Forming Machine	1	From Sheet / 2mm (Thick) x 400mm (Length) x 600mm (OD)
Spot Welding Machine	1	4.5mm + 4.5mm Gage Steel Sheets
Brushing Machine	3	Brushing
Ju Cai & Kobelco Screw Type Compressor	2	50 & 100HP
Wang Fang CNC Bender	1	Fully Automatic for Very Complex Tube Bending
CNC Welding Indexing	1	Fully Automatic for Very Complex MIG & TIG Welding
Ultrasonic Degreasing Machine	2	Degreaser
Precision TIG 375 Welder / TIG	2	TIG 375
Tumbling Machines	4	Ultrasonic Tumbling Machine (Media is Small Stainless Steel-Pins) & 600L Capacity

QUALITY CONTROL EQUIPMENT		
EQUIPMENT MODEL	QTY	FEATURES
Del Tronic Optical Comparator	1	4" x 8" X-Y Travel / Digital Readout with Micro-Processor
AD-2045 Magnaflux Magnetic Particle Inspection Machine	1	Non-Destructive Testing Machine
AFFRI Hardness Tester (Digital Display)	1	Digital Display / Tests Hardness of Material
Mitutoyo Contour Measuring Machine	1	100mm x 50mm X-Z Travel / Very High Precision / Automatic
Edmunds Bore Gage	1	Pneumatic Type
Mitutoyo Tools & Accessories	many	Pitch Micrometer / Digital Height Gage / Micrometer / Caliper / Torque Wrench Pin Gage Set / Thread Gage Set
Magnetic Flaw Detector	1	Surface and Near Surface Magnetic Particle Inspection
Micro-Vu Excel 652 HC Automatic Measuring Center (Optical)	1	CNC Control / High Speed / High Precision / X-Y-Z Travel / 650mm x 650mm x 250mm SPC & Reverse Engineering Function / 20-370X Magnification
Zeiss CMM Contura-G2 10166 RDS	1	1000mm x 1600mm x 600mm (X-Y-Z Travel) / Scanning Function / CNC Control
Hand-Type Hardness Tester	1	For Thin Tubing or Extrusion
Two-Dimensional High Speed Dimensional Measuring Instrument TM-3000	1	Position correction, OUT name change, measurement mode selection