


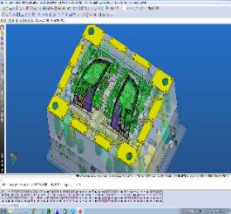
# Main Machines [Nagoya - Aichi - Japan – Factory]

## Design Engineering Department

Software Name	Type	Maker	Num
CAD/CAM	CATIA V5(CAT,MTE,HDX)	DASSIAUT SYSTEMS	3
	CATIA V5(GAE)		1
	TOP SOLID	Kodama Corporation	10
	TOP CAM		1
	CAM-TOOL	C&G	4
	WorkNC	DATA DESIGN	2
CAE	MOLD ADVISER	MOLD FLOW	1
DNC System	Cast Star-SX	PROCAST	1
Plotter	DocuWide3035	FUJI XEROX	1

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### 3D Mold Design



## Facility List

Equipment Name	Type	Maker	Num	Stroke	Spindle Revolution Speed /Maximum Load Weight
Micro Machining Center	HS650L	SODICK	1	620×500×300	40.000 rpm/150 kg
High precision machining Center	V99L	MAKINO	2	2000×1000×800	18.000 rpm/4000 kg
5-axis Machining Center	DMU 80P DUO BLOCK	DMG	1	800×800×800	18.000 rpm/1400 kg
Hyper Machining Center	MPF-2114C	SHIBAURA	1	2100×1400×715	10.000 rpm/10.000 kg
	VM900	OKK	1	2060×940×820	8.000 rpm/1.700 kg
	VM-7 III	OKK	1	1530×740×660	10.000 rpm/1.500 kg
	GF-6	MAKINO	1	1050×600×560	8.000 rpm/1.500 kg
	YBM-850V	YASUDA	1	800×525×350	20.000 rpm/800 kg
NC EDM	M65E	MITSUBISHI	1	650×450×350	2.000 kg
	A85L	SODICK	1	850×500×450	3.500 kg
WC EDM	MV2400S	MITSUBISHI	1	600×400×425	1.500 kg
NC Milling	AVNC-74	MAKINO	1	710×400×360	4.000 rpm/500 kg
	MAC70-P-2B type	HAMAI	2		
Generic Milling	KSA	MAKINO	1		
	KSAP	MAKINO	1		
Graphite CNC Machine	ROBO DRILL α-T14iFA	FANUC	1		
Lathe Machine	MS-850	MORISEIKI	1		
Tool Grinding Machine	DP-640	ITO	1		
	GL350F	IIDA	1		
Plane Surface Grinding Machine	PSG84DX	OKAMOTO	1		
Precision Surface Grinding Machine	MFG-515	NIKKO	1		
Gun Drill	MEG-1000	MIROKU	1		
Radial Drilling Machine	TRE-1700D	TOMINAGA	1		
Contour Machine	NC-360	NAGASE	1		
Die Spotting Machine	CDS-3000TS-200	Ogihara Mechanical	1	1300×1000×1040	6000kg
	DSP-1800M	ASAI	1	1800×1200×1440	1000kg
Rotateable Mold Polishing Machine Table	MTT-500	YOSHIDA	1		
3D Measuring Machine	B-710	MITSUMOTOYO	1		
Portable 3D Measuring Machine	Faro Arm Edge	FARO	1		
Traveling Crane	2.8 tons	KOTOBUKI	2		
	5-2 tons	KOTOBUKI	1		
	10-3 tons	AIWA	1		
Welding Machine	TR200	PANASONIC	1		
Laser-Welding Machine	LWIV 120W ULTRA	Vision Industries	1		
Box-Type Resin Dryer	TK-50	HARMO	1		
Molding Machine	IS650GTW-81Y	SHIBAURA	1		
	J350AD	JAPAN STEEL WORKS	1		
Compressor	ZV37AX-R	MITSUMI	1		
	OSP-37S6AR	HITACHI	1		
Infrared thermography	FSV-2000	APISTE	1		



**HS650**  
**Sodick**



SODICK NC EDM A85L  
Max Mold Size : 850 x 500 x 450 mm  
Max Mold Weight : 3.500 Kgs



**V99L**



**DMU 80P DUO**