

Singapore Sheetmetal Equipment

Machine type :	Manufacturer :	Model :	Number of unit	Clamping surface :	Height :	Max. thickness:	Accuracy:	Repeatability:
Laser Cutter	Trumpf	TL3050 - 4KW CO2 Laser	1	3000 mm x 1500 mm	115 mm	15mm (SS & AL : 8mm)	+/- 0.1 mm/m	+/- 0.05 mm
Laser & Turret Combination Cutter	Trumpf	TC6000L - 2KW CO2 Laser	1	2585 mm x 1280 mm	20 mm	4mm (SS & AL : 3mm)	+/- 0.1 mm/m	+/- 0.05 mm
Turret Cutter	Amada	VIPROS 357 QUEEN	1	3660 mm x 1270 mm	5 mm	3mm (SS & AL : 5mm)	+/- 0.1 mm/m	+/- 0.05 mm

Machine type :	Manufacturer :	Model :	Number of unit	Length :	Range :	Max. pressure:
Folding Machine	Amada	FBD 3512	1	1200mm	150 mm	35 ton
Folding Machine	Amada	FBD 1030	1	3000mm	150 mm	100 ton
Folding Machine	Amada	RG50	1	2085mm	100 mm	50 ton
Folding Machine	Amada	RG80	1	2505mm	100 mm	80 ton
Folding Machine	Trumpf	TV130	1	3060 mm	365 mm	130 ton
Folding Machine	Trumpf	T 5085	1	2200 mm	365 mm	85 ton
Folding Machine	Trumpf	T 5230	1	3200 mm	445 mm	230 ton

Equipment for other Processes	Manufacturer :	Model :	Number of unit	Range :	Height :
Hairline Sanding Machine			1		
Laser Welding machine	Trumpf	HLD 4002	1	1700 mm x 1700 mm x 1700 mm	4 mm Welding Depth (Stainless Steel)
Orbital Welding machine	Orbimatic		1	Pipe diameter from 12.7 - 50.8 mm	3mm thk max
TIG welding			32		
MIG welding			17		
ARC welding			2		
Spot Welding machine			5		
PEM Inserter			5		
Grid Blaster			1		
Painting / Powder Coating Booth			3		

QA Measurement Measurement for Sheetmetal parts	Manufacturer:	Model:	Number:	Range	Accuracy:	Remarks:
Coordinate Measuring Machine	Brown & Sharpe	Global Performance 12.15.10	1	X:1200mm x Y:1500mm x Z:1000mm	3.9 + L / 250 micron	CNC with motorized probe head
Profile Projector	Mitutoyo	PJ-A3000	1	X: 200mm x Y: 100mm	4 microns	
Spectrophotometer	BYK-Gardner	6830	1		< 0.2 Delta E	
Gloss Meter	BYK-Gardner	4460	1		+/- 0.2 - 0.5 GE	
Thickness Meter	Fisher	100506TMJ	1		± 5 microns	
Linear Height Gauge	Mitutoyo	QMH-350/14"	1	350mm	0.04mm	
Dial Height Gauge	Mitutoyo	192-132	1	600mm	0.04mm	
Linear Height Gauge	Sylvac	Z Cal 600	1	600mm	0.04mm	
Leak Test Detector	INFICON	UII 1000 Fab	1	5,0E-07	± 15%	
Granite Surface Plate	Intec	-	3	1000 x 750mm , 2000 x 1000mm , 800 x 600 mm	2 + a/500 micron	
Surface Roughness Tester	Mitutoyo	SJ-201	1	0.01 – 350 microns	0.01 microns	
Impact Tester	BYK-Gardner	E-5545	1	0 – 320 inch pounds	± 10%	
Flexibility Tester	BYK-Gardner	E-5750	1	0.8 – 1.6mm THK		