



Precision Machining Manufacturer

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Machining Ability

Item	Processes	Working Range	Machining Accuracy		Remark
1	Turning	Φ 300mm x1000mm Φ12" x 40"	a	◎ ≤ 0.015mm (0.0006")	
			b	↗ ≤ 0.015mm (0.0006")	
			c	⊥ ≤ 0.05mm (0.002")	
2	Milling	Length x Width x Height 1000mm x 500mm x 300mm 40" x 20" x 12"	a	□ ≤ 0.03mm (0.0012")	
			b	⊥ ≤ 0.02mm (0.0008")	
			c	⊕ ≤ 0.02mm (0.0008")	
3	Plane Grinding	Length x Width x Height 400mm x 150mm x 280mm 16" x 6" x 11"	a	□ ≤ 0.002mm (0.00008")	Except sheet metal
			b	⊥ ≤ 0.002mm (0.00008")	
			c	⊕ ≤ 0.002mm (0.00008")	
			d	// ≤ 0.002mm (0.00008")	
4	Internal & External Grinding	Φ 300mm x1000mm Φ12" x 40"	a	◎ ≤ 0.005mm (0.0002")	
			b	⊥ ≤ 0.005mm (0.0002")	
			c	↗ ≤ 0.005mm (0.0002")	
			d		
5	Wire-electrode Cutting	200mm x 450mm x 300mm 8" x 18" x 12"	a	□ ≤ 0.0005mm (0.00002")	
			b	⊕ ≤ 0.0005mm (0.00002")	
			c		
6	Slow Wire Cutting	350mm x 550mm x 300m 14" x 22" x 12"	a	⊥ ≤ 0.002mm (0.00008")	
			b	⊕ ≤ 0.002mm (0.00008")	
			c	Ra ≤ 0.4um (16uinch)	
7	CNC	850mm x 515mm x 400mm 33.5" x 20" x 16"	a	⊕ ≤ 0.01mm (0.0004")	
			b	○ ≤ 0.015mm (0.0006")	
			c		
8	Big Water Milling	Length x Width x Height 400mm x 800mm x 300mm 16" x 32" x 12"	a	□ ≤ 0.005mm (0.0002")	
			b	// ≤ 0.005mm (0.0002")	
9	Centreless Grinding	Φ1mm~50mm, L10mm~1000mm Φ0.04"~2.0", L0.4"~40"	a	◎ ≤ 0.002mm (0.00008")	
			b	⊥ ≤ 0.002mm (0.00008")	
			c	↗ ≤ 0.002mm (0.00008")	

Remark: All above is only for reference. (According to the parts with different material, shape and precision, we need reply after discussion.)

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Machining Ability of Big Plate

Item	Material	Working Range	Machining Accuracy (Units: mm/inch)	Finish		
				Degree	um	uin
1	S136 / 45#	Thickness: 10-20mm (0.394"-0.787") Standard: 200-400mm (7.874"-15.748")	1.□: ≤0.05 (0.002") 2.//: ≤0.05 (0.002")	N6	Ra 0.8	RMS 32
2	S136 / 45#	Thickness: 20-50mm (0.787"-1.969") Standard: 200-800mm (7.874"-31.496")	1.□: ≤0.05 (0.002") 2.//: ≤0.05 (0.002")	N6	Ra 0.8	RMS 32
3	S136 / 45#	Thickness: 5-10mm (0.197"-0.394") Standard: 100-300mm (3.937"-11.811")	1.□: ≤0.05 (0.002") 2.//: ≤0.05 (0.002")	N6	Ra 0.8	RMS 32
4	SUS304 / S316 / AL6061 / AL7075 / 45#	Thickness: 10-20mm (0.394"-0.787") Standard: 10-300mm (0.394"-11.811")	1.□: ≤0.2 (0.008") 2.//: ≤0.2 (0.008")	N7	Ra 1.6	RMS 63
5	SUS304 / S316 / AL6061 / AL7075 / 45#	Thickness: 20-50mm (0.787"-1.969") Standard: 200-500mm (7.874"-19.685")	1.□: ≤0.1 (0.004") 2.//: ≤0.1 (0.004")	N7	Ra 1.6	RMS 63
6	SUS304 / S316 / AL6061 / AL7075 / 45#	Thickness: 20-50mm (0.787"-1.969") Standard: 300-800mm (11.811"- 31.496")	1.□: ≤0.1 (0.004") 2.//: ≤0.1 (0.004")	N7	Ra 1.6	RMS 63
7	SUS304 / AL6061 / AL7075	Thickness: 10-20mm (0.394"-0.787") Standard: 100-300mm (3.937"-11.811")	1.□: ≤0.03 (0.001") 2.//: ≤0.03 (0.001")	N6	Ra 0.8	RMS 32
8	SUS304 / AL6061 / AL7075	Thickness: 20-50mm (0.787"-1.969") Standard: 300-500mm (11.811"- 19.685")	1.□: ≤0.03 (0.001") 2.//: ≤0.03 (0.001")	N6	Ra 0.8	RMS 32
9	SUS304 / AL6061 / AL7075	Thickness: 20-50mm (0.787"-1.969") Standard: 400-800mm (15.748"- 31.496")	1.□: ≤0.05 (0.002") 2.//: ≤0.05 (0.002")	N6	Ra 0.8	RMS 32
10	50#	Thickness: 10-50mm (0.394"-1.969") Standard: 200-800mm (7.874"-31.496")	1.□: ≤0.05 (0.002") 2.//: ≤0.05 (0.002")	N6	Ra 0.8	RMS 32