

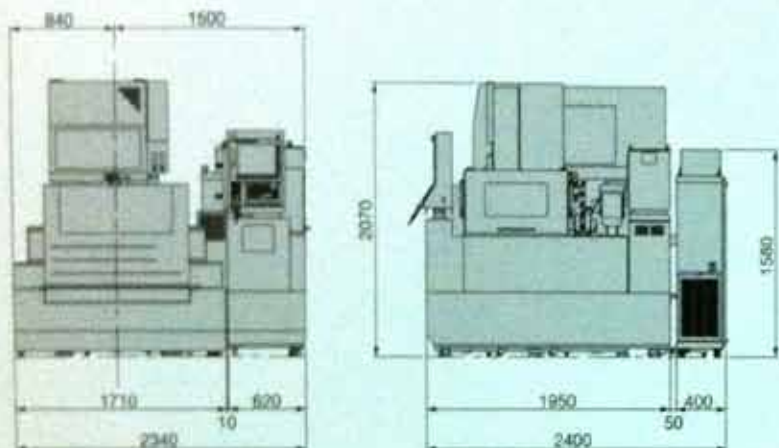


Super MM50A

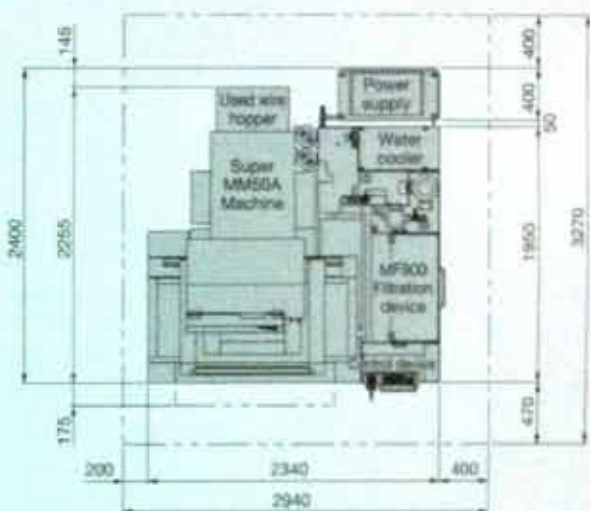
Specifications

Model	Super MM50A
Max. workpiece dimensions W×D×H	800×650×300 mm
Max. workpiece weight	800 kg
Axis travel range X×Y×Z	500×350×310 mm
Wire diameter	0.05 mm to 0.3 mm (0.2 mm is standard.)
Automatic wire feeding device	AWF-4 Equipped as standard
U-V axis travel U×V	±60×±60 mm
Max. taper angle	±10° (300 mm work thickness)(±45°/40 mm option)
Dimensions W×D×H	1,680×1,915×2,070 mm
Weight	3,500 kg

Dimension



Layout



Precision that Seibu
can be proud of

±1μm

This is just the reason for "Super".

Pitch cutting accuracy

Stable accuracy can be attained even for nearly-full stroke cutting.

Workpiece material : SKD11

Workpiece thickness : 20 mm

Wire diameter : 0.2 mm

Number of cuts : 7 times

Surface roughness : Ra 0.18 μm/Rz 1.4 μm

Pitch measurement

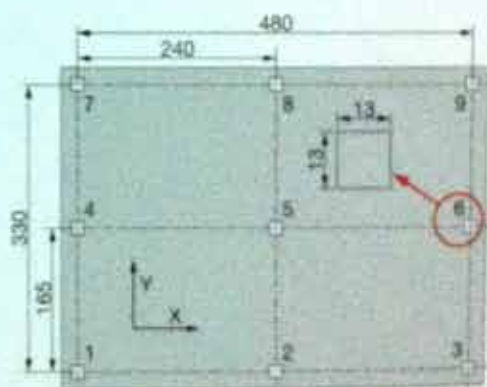
No.	Upper side pitch (mm)				Lower side pitch (mm)			
	Setting value		Measured error		Setting value		Measured error	
	X	Y	X	Y	X	Y	X	Y
1	0	0	0.0001	0.0000	0	0	-0.0003	-0.0001
2	240	0	0.0013	0.0000	240	0	0.0009	-0.0004
3	480	0	0.0006	0.0001	480	0	0.0004	-0.0001
4	0	165	0.0001	0.0000	0	165	0.0001	-0.0009
5	240	165	0.0003	-0.0006	240	165	0.0001	-0.0011
6	480	165	0.0002	-0.0003	480	165	-0.0001	-0.0009
7	0	330	0.0004	0.0011	0	330	0.0001	0.0004
8	240	330	0.0011	0.0002	240	330	0.0007	-0.0002
9	480	330	0.0015	0.0007	480	330	0.0008	0.0001
	Max.		0.0015	0.0011	Max.		0.0009	0.0004
	Min.		0.0001	-0.0006	Min.		-0.0003	-0.0011

X-Y axes shape accuracy

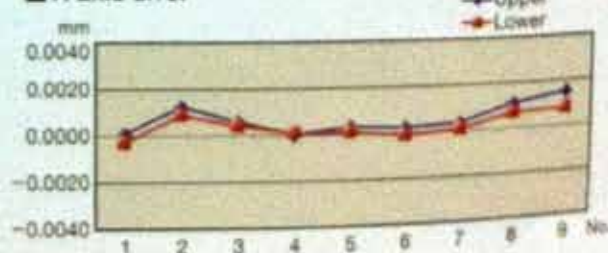
X Max. : 12.9997 mm X Min. : 12.9986 mm
Y Max. : 13.0001 mm Y Min. : 12.9988 mm

Machine installation environment

Room temperature : 22°C±0.5°C
Water temperature : 22°C±0.2°C
Floor part : 50 cm above the concrete floor



X axis error



Y axis error

