

HRG3000RMX

High Rigid Grinder

Fully Automatic High Rigid Triple Axis Grinder
Less-damage Grinding with Shorter Process Time

————— **Low Cost** —————

————— **High Accuracy** —————

————— **Mirror Finish Surface Grinding** —————



Target Material

Si

Target Work

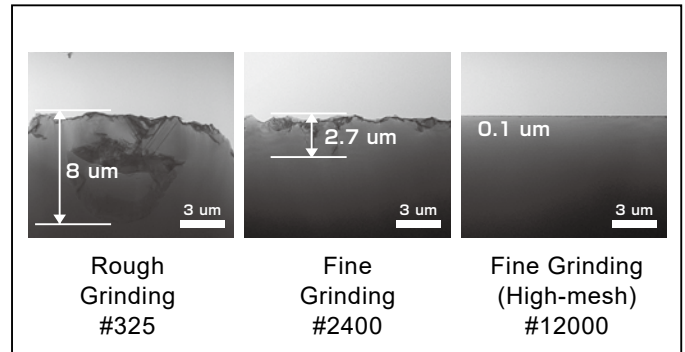
Size : $\phi 8$ to $\phi 12$ inch

Throughput

grinding Damage

Planning condition (UPH35)		
Rough (#325, 10 μ m/sec)	Process time 82 sec (658 μ m)	Setup 20 sec
Semi-fine (#2400, 3 μ m/sec)	82 sec (80 μ m)	Setup 20 sec
Fine (#10000, 0.25 μ m/sec)	82 sec (10 μ m)	Setup 20 sec
Handling	85 sec	

UPH 3600/102=35.3



Specification



No	Category	HRG3000X
		Full Automatic High Rigid Triple Axis Grindier Size: 1750 (W) x 3525 (D) x 1978 (H) mm Weight : 11000 kg
1	Appearance	
2	Maximum Wafer Size (mm)	300
3	Grinding Wheel Diameter (mm)	300
4	Grinding Wheel Rotation (rpm)	3600
5	Work Spindle Axis Rotation (rpm)	650
6	Grinding Wheel Spindle Power (kw)	11
7	Total Thickness Variation : TTV (μ m)	0.5 (with Auto TTV)
8	Wafer to Wafer Thickness Variation : WTW (μ m)	± 0.5 (with Auto TTV)



No	Category	RM3000-HRG
		Size: 1500 (W) x 4250 (D) x 1800 (H) mm Weight : 1600 kg
1	Appearance	
2	Maximum Wafer Size (mm)	300
3	Maximum Dicing Tape Diameter (mm)	$\phi 230$ (Roll width 430 mm)
4	Maximum Peeling Tape Diameter (mm)	$\phi 200$ (Roll width 50 mm)
5	Wafer Mounting Accuracy	The centering accuracy for the Chuck table : within 0.5 mm The angle accuracy for the notch of the dicing frame: within 0.5 degree

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