

		RMV160RT	RMV250RT
<b>CONTROL SYSTEM</b>			
<b>Travel</b>			
X-axis Travel	mm/inch	380 / 14.96	500 / 19.69
Y-axis Travel	mm/inch	160 / 6.30	250 / 9.84
Z-axis Travel	mm/inch	320 / 12.60	400 / 15.75
Spindle nose to table surface	mm/inch	130 - 450 / 5.19 - 17.72	125 - 525 / 4.92 - 20.67
<b>TABLE / PALLET</b>			
Table Size (LxW)	mm/inch	Ø160	Ø250
C Axis Rotation	°	360 °	360 °
B Axis Swing	°	± 120 °	± 120 °
Max. Loading Capacity	kgs/lbs	30 / 66	60 / 132
<b>SPINDLE SYSTEM</b>			
Spindle Motor Output(Peak)	HP	10	15
Spindle Speed	rpm	15,000 (STD) 20,000 (OPT)	12,000 (STD) 15,000 (OPT)
Spindle taper		HSK-40A BT-30 (OPT)	HSK-63A BT-40 (OPT)
Method of Spindle Coolant		air chilling	air chilling
<b>FEED</b>			
Rapid Rate of X/Y/Z	M/min ipm	60 / 60 / 96 2362 / 2362 / 3779	48 / 60 / 96 1890 / 2362 / 3779
Acceleration X/Y/Z	G	1.2 / 1.2 / 1.6	1.2 / 1.0 / 1.2
<b>ACCURACY</b>			
Positioning (+/-)	mm/inch	0.006 / 0.0002	0.006 / 0.0002
Repeatability (+/-)	mm/inch	0.003 / 0.00018	0.003 / 0.00018
<b>ATC</b>			
Tool storage capacity		24+1T	24+1T
Max. Tool Diameter	mm/inch	50 / 1.97	75 / 2.95
Max. Length	mm/inch	175 / 6.89	200 / 7.87
Max. Weight	kgs/lbs	2.5 / 6	4.5 / 10
Change time	sec	T-T : 0.7 C-C : 2.1	T-T : 1.2 C-C : 2.9
<b>GENERAL</b>			
Coolant tank capacity	Liters/gal	160 / 42.27	160 / 42.27
Power Requirement	KVA	12	26
Air Pressure Requirement	kgs / cm <sup>2</sup>	6	6
Floor Space(W X L)	mm/inch	1600 x 2240 / 63 x 88.2	1900 x 2600 / 74.8 x 102.4
Weight	kgs/lbs	3600 / 8378	5000 / 11023

# AKIRA RMV250

## AKIRA NEW LEVEL OF TECHNOLOGY



## AKIRA CNC Machine Tools

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Fast 5 Axis Technology

**FAST-RIGID-DURABLE-ACCURATE**

# Fast 5 Axis Technology

FAST-RIGID-DURABLE-ACCURATE



RMV180RT

**Saving Total Cycle**  
Minimum non-cutting time

Max. Spindle Speed **22000rpm (OPT.)**

Rapid Traverse(X/Y/Z) **60/60/96**

Axial Acceleration **1.6 ~2.0G**

B Axis Rapid Traverse **75 rpm**

C Axis Rapid Traverse **100 rpm**

T to T time **0.6 sec.**

Related Model: **RMV250RT**

## One Catch-up

Saving More Accuracy

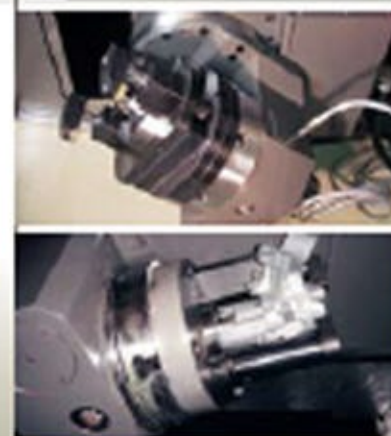
Table Indexing angle

B axis

**±120°**

C axis

**360°**



High efficient tilting rotary table **completes all the processing in one catch-up.** Advance optimum machine tool for multi-faces productive jobs with **high accuracy** required. Very easy and **free-interference** for various fixture application.

## Innovation of Rotary Table

**Faster and More Accurate Rotary Gear Cam**



**+200%**

Efficiency Increased

- No more frictional drive of worm gear drive, the application of roller gear cam drive of rotary axes advance the **higher indexing accuracy** and **efficiency** for in **best longevity**.

- The cam follower hold the tapered ribs of the roller cam under **well-preload** to eliminate backlash. This mechanism ensures **smooth indexing** and **rigid stops** for precision machining operations.

- The eternal well contact of roller cams and cam followers work on principle in no wear out nor clearance adjustments needed. This means the **original accuracy** stays for longer periods without maintenance.

