

Future *OF* **MACHINEERING**



ARV 800 / 1000 / 1100
VMC MACHINES
ACCURATE / RELIABLE

ENOUGH REASONS TO BUY **JAEWOO** ARV SERIES MACHINES

THK, Japan - Make LM Guideways

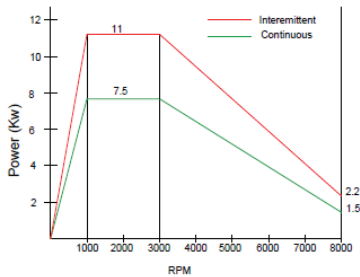
- **Ball Screws** Supported at Drive and Tail end for all axes for **Higher Speed**
- Ball Screw **Stretching** for all axes to counter **thermal effects** during running of the machine
- **Thermo Symmetric** Structure Design
- **Precision machining** capability due to minimal **Thermal Error design**
- **High Grade FG300** for Castings for higher Strength
- **User friendly** operation panel configuration

THK, Japan / **Rexroth**, Germany - Make Ball Screws

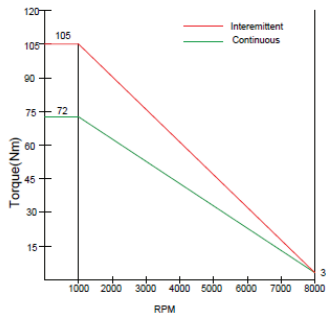
- **Cartridge** type Spindle Design
- **Laser Calibration**
- **Ball Bar** Inspection
- **Ergonomically** designed Machine Enclosure
- Compact design for **Minimum Floor Area** requirement
- **Effective Chip Disposal System**
- Electromechanical Auto Tool Changer
- **PMF- Fanuc (Predictive Maintenance Feature-4.0)**
- **Pulley Ratio** to ensure Full power availability at Lower RPM

Standard Features

- LM Guideways Roller Type
- Hardened and Ground Ball Screws
- Direct Coupled Servo Motors
- High performance digital motors
- Pre-stretching of Ball Screws.
- Heavy Duty Cast Iron Structures
- Absolute Encoders for all axes
- Fast cam driven Arm type ATC.
- Fanuc/Siemens/Mitsubishi Controller
- Chip disposal at Rear of the Machine
- Coolant Flushing
- Ring type Coolant for Spindle
- Electronic Counterbalance
- Spindle taper Air Blow
- Auto Retrieval for ATC
- Rigid tapping
- MPG
- Ring type coolant for Spindle
- Centralized Lubrication System
- Levelling Pads
- TPM Friendly Machines
- Air Gun



Spindle Power v/s RPM (ARV-800, ARV-1000, ARV-1100)



Spindle Torque v/s RPM (ARV-800, ARV-1000, ARV-1100)

SPECIFICATIONS	UNIT	ARV800	ARV1000	ARV1100
Axis Strokes	mm			
X-axis		800	1000	1100
Y-axis		510	550	600
Z-axis		510	550	600
Spindle centre to Column Face	mm	575	575	615
Spindle Face to table Top (Min-Max)	mm	100-610	100-650	100-700
Table				
Working Surface	mm	1000x510	1200x550	1300x600
T-Slots(NoxSizeXSpacing)		5x18x100	5x18x100	5x18x100
Max load on Table	Kg	500	600	700
Distance from Floor to table	mm	975	1020	1020
Spindle				
Spindle Taper		BT-40	BT-40	BT-40
Spindle Power	Kw	7.5/11	7.5/11	7.5/11
Spindle Speed	RPM	8000	8000	8000
Spindle Bearing Dia	mm	70	70	70
Full Power Availability	RPM	1000	1000	1000
Feed				
Rapid	M/Min	30	30	30
Cutting Feed Rate	mm/Min	1-10000	1-10000	1-10000
Auto Tool Changer				
No of Tools	Nos	20	20	20
Tool Selection		Random-Bidirectional	Random-Bidirectional	Random-Bidirectional
Max. tool Dia(All Pockets Full)	mm	80	80	80
Max. tool Dia(Alt. Pockets Empty)	mm	125	125	125
Max. tool Weight	Kg	8	8	8
Max. Tool Length	mm	250	250	250
Tool Change time	Sec	2.5	2.5	2.5
Accuracies (As per ISO232-2)				
Positioning	mm	0.012	0.016	0.016
Repeatability	Mm	0.008	0.009	0.009
CNC				
Machine Weight	Kg	5000	6000	7000
Machine Dimensions(WxLxH)	mm	2100x3200x2850	2720x3300x3000	2950x3300x3000
Power Requirement	KVA	10	15	20
Air Requirement	Kg/sqcm	6	6	6

OPTIONAL FEATURES AT EXTRA COST:

- Chip Conveyor
- Higher RPM Spindle
- Coolant Thru Spindle with Hydro cyclone Filtration
- Coolant Gun
- Spindle Mounted Probe
- Table Mounted Probe
- 4th axis option NC Rotary Table
- 4th and 5th axes NC Rotary and Tilting Table
- Panel AC
- Oil Skimmer

MACHINING CAPABILITIES

Operation	Dia of cutter/Tool	Cutting Parameters	Material	Cutting Capacity
Milling	Dia 80 Face Mill	RPM1000/Feed 1000mm/Min	EN8	150 CC/Min
Drilling	(U-Drill)	RPM 1500, Feed 1500mm/Min	EN8	25
Tapping	Coated Tap	RPM130	EN8	M25x1.5

JAEMOO MACHINES PVT. LTD

Chandigarh Road, HB-225, Village- Jandiala, Distt. Ludhiana - 141112, Punjab, India

+91 84840-00003 info@jaewoomachines.com www.jaewoomachines.com

DEALER NAME