

Future *OF* **MACHINEERING**

ARV 700 / 800
1000 PC
VMC MACHINES
ACCURATE / RELIABLE



ENOUGH REASONS TO BUY
JAEWOO ARV SERIES MACHINES

THK, Japan - Make LM Guideways

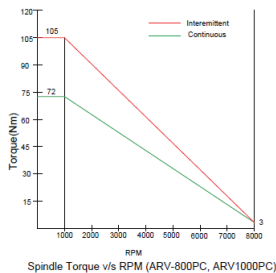
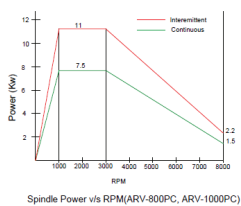
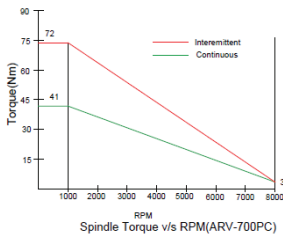
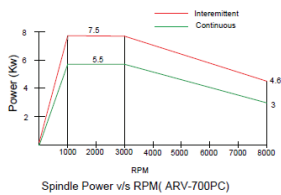
- **Ball Screws** Supported at Drive and Tail end for all axes for **Higher Speed**
- Ball Screw **Stretching** for all axes to counter **thermal effects** during running of the machine
- **Thermo Symmetric** Structure Design
- **Precision machining** capability due to minimal **Thermal Error design**
- **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
- Heavy Duty Cast Iron Structures
- Absolute Encoders for all axes
- Pre-stretching of Ball Screws.
- 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
- Linear Servo Driven Pallet Changer
- Auto Retrieval for APC
- Auto Retrieval for ATC
- Rigid tapping
- MPG
- Ring type coolant for Spindle
- Centralized Lubrication System
- Levelling Pads
- TPM Friendly Machines
- Air Gun



SPECIFICATIONS

Axis Strokes
 X-axis
 Y-axis
 Z-axis
 Spindle centre to Column Face
 Spindle Face to table Top (Min-Max)
Table
 Working Surface
 T-Slots(NoxSizexSpacing)
 Max load on Table
 No Of Pallets
 Loading Height
 Pallet Change Time
 Type of Pallet Changer
Spindle
 Spindle Taper
 Spindle Power
 Spindle Speed
 Spindle Bearing Dia
 Full Power Availability
Feed
 Rapid
 Cutting Feed Rate
Auto Tool Changer
 No of Tools
 Tool Selection
 Max. tool Dia(All Pockets Full)
 Max. tool Dia(Alt. Pockets Empty)
 Max. tool Weight
 Max. Tool Length
 Tool Change time
Accuracies (As per ISO232-2)
 Positioning
 Repeatability
CNC
Machine Weight
Machine Dimensions(WxLxH)
Power Requirement
Air Requirement

UNIT	ARV700PC	ARV800PC	ARV1000PC
mm	700	800	1000
mm	450	510	550
mm	450	510	550
mm	475	575	575
mm	100-550	100-610	100-650
mm	750x425	850x490	1050x525
mm	4x18x100	5x18x100	5x18x100
Kg	350	400	500
Nos	2	2	2
mm	1230	1225	1300
Sec	20	20	25
	Linear Servo Driven	Linear Servo Driven	Linear Servo Driven
	BT-40	BT-40	BT-40
Kw	5.5/7.5	7.5/11	7.5/11
RPM	8000	8000	8000
mm	70	70	70
RPM	1000	1000	1000
M/Min	30	30	30
mm/Min	1-10000	1-10000	1-10000
Nos	20	20	20
	Random-Bidirectional	Random-Bidirectional	Random-Bidirectional
mm	80	80	80
mm	125	125	125
Kg	8	8	8
mm	250	250	250
Sec	2.5	2.5	2.5
mm	0.012	0.012	0.016
Mm	0.008	0.008	0.009
Kg	5000	5000	6000
mm	3250x3100x2850	3500x3300x2850	3900x3300x3000
KVA	15	15	20
Kg/sqcm		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
- Oil Skimmer

MACHINING CAPABILITIES

Operation	Dia of cutter/Tool	Cutting Parameters	Material	Cutting Capacity
Milling	Dia 100 Face Mill	RPM1000/Feed 1000mm/Min	EN8	150 CC/Min
Drilling	(U-Drill)	RPM1500, Feed 1500mm/Min	EN8	25 for
Tapping	Coated Tap	RPM130	EN8	M25x1.5

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DEALER NAME