

## Machineering at its **Best**

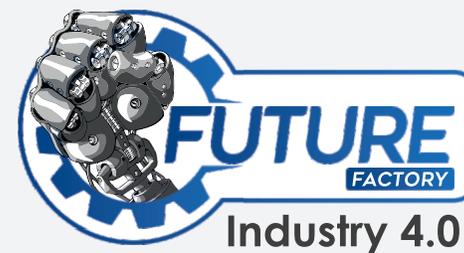


**Jaewoo Machines Pvt. Ltd.**

(Formerly known as J.V. Exports)

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

☎ +91 8484000003 | ✉ info@jaewoomachines.com | 🌐 www.jaewoomachines.com

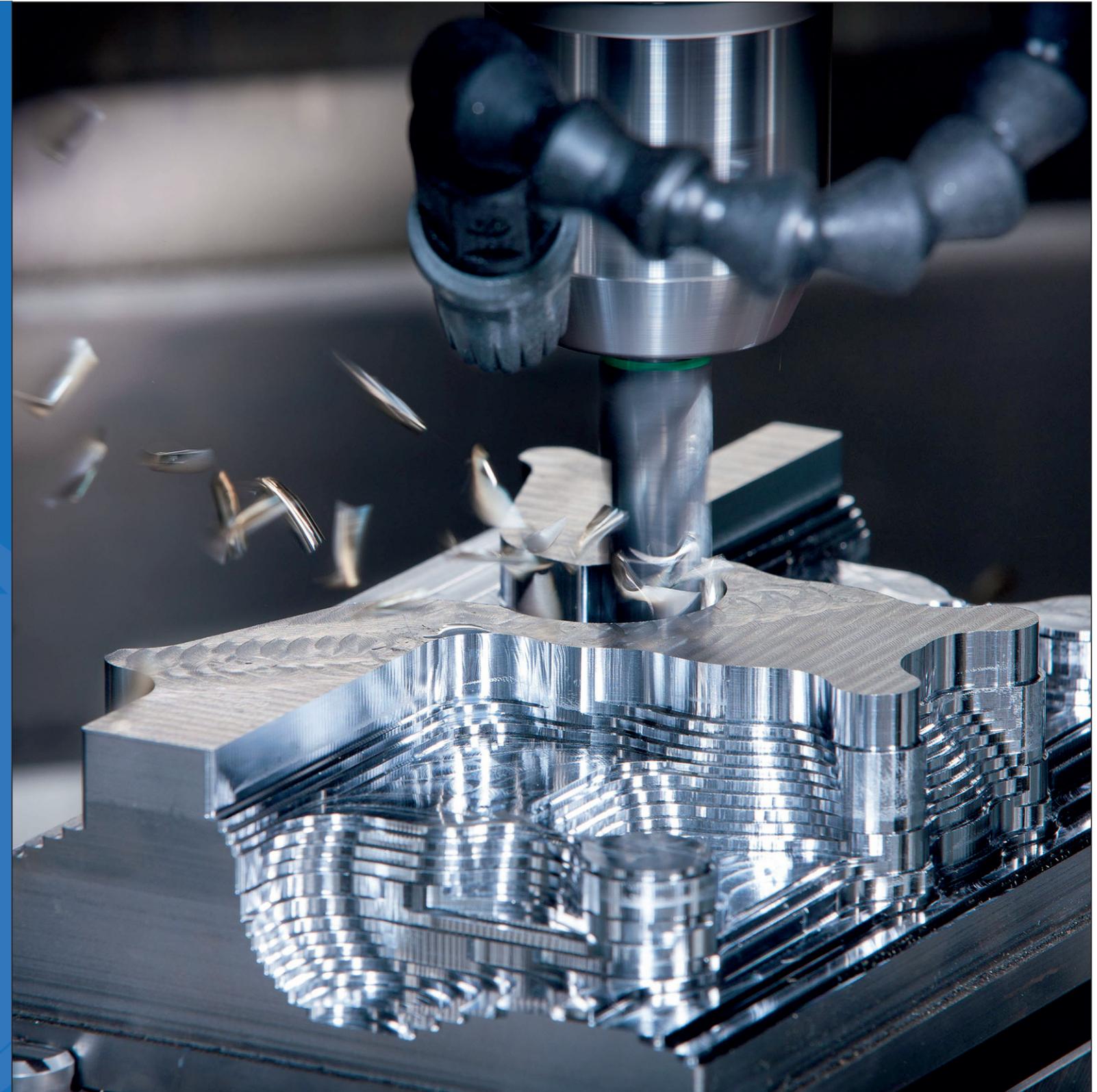


# Index

Title Page. No.

---

- |    |                             |      |
|----|-----------------------------|------|
| 1. | Vision Mission Values (VMV) | 1    |
| 2. | Why Jaewoo                  | 2    |
| 3. | Our Journey of Machineering | 3-4  |
| 4. | Our Plant                   | 5-6  |
| 5. | Our Product Range           | 7-13 |
| 6. | Our Presence                | 14   |
| 7. | Our Clients                 | 15   |
| 8. | Technology Partners         | 16   |



## About Us

Jaewoo is one of the leading brand name in the manufacturing of CNC, VMC, HMC with PAN India presence. We are ranked among Top 10 manufacturer in India and have a wide network of sales and service across all major cities. With a humble beginning in 1988, we have come a long way and optimized our product offerings and our production facilities to meet customer demands.

### Vision

We will have 5000 machines installation with best ROI for our customers by 31st March 2025

### Mission

To provide Technology Solutions for our customers and help them grow

### Values

Innovation  
Quality  
Integrity  
Growth

## Why Jaewoo

Jaewoo as a reputed brand has established a strong presence in the market. The business works hard to deliver the best quality products. Each ready product is put through stringent quality checks to ensure that it meets the highest standard possible. All machines are made with high grade cast iron **FG300** for highest rigidity.



## Jaewoo Advantages

-  Heavy rate of metal removal
-  Better surface furnish & longer tools life
-  Better positioning & repeatability resulting close tolerances on job
-  Much longer service life with original accuracy
-  Widest range of models available with customized solutions

# Our Journey of Machineering

**1988**  
Company Establish  
in 1988 started manufacturing  
Steel Hinges



**2017**  
Company Commenced  
VMC Production



**1992**  
Special  
Purpose Machine



**1997**  
Testing machine for  
cycle & auto parts



**2018**  
Launched  
VMC Machines  
with Pallet  
Changer (PC)



**2020**  
HMC  
Machines



**2021**  
Moving Column  
VMC Machines



**2019**  
Industry 4.0 enabled &  
Auto Loading Machines



**2012**  
Company Established  
themselves as a  
leading brand in  
CNC machines



**2007**  
Company starts  
manufacturing their  
own CNC machines



## Our Plant



## Unit-1



## Unit-2



## BALL BAR INSPECTION



## LASER CALIBRATION



All Machines are Laser Calibrated for positioning accuracy, repeatability and finally inspected with Ball Bar Test for geometrical errors and Circular interpolation accuracy before dispatch.

## ARV 500/700/800/1000

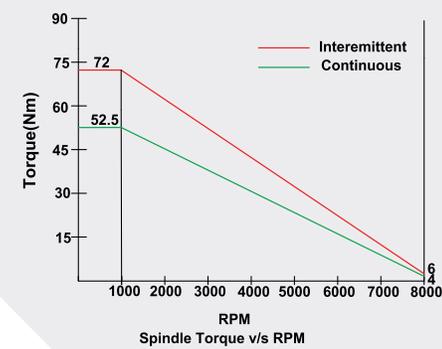
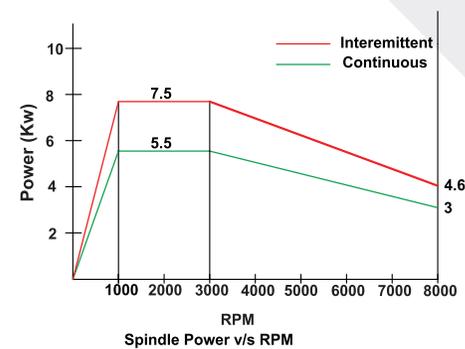
### STANDARD FEATURES OF THE MACHINES

- Linear Motion Roller Guide ways for X, Y and Z-axis.
- Hardened and ground ball screws.
- Direct-coupled servomotors to the ball screws.
- High performance digital motors for spindle and axes.
- Heavy Duty cast structures.
- Absolute encoders for all the Axes.
- Fast cam driven Electro-mechanical Auto Tool Changer.
- Fanuc OiMF System.
- Machine Guard with efficient coolant and chip flow.
- Electronic Counter balance.
- Spindle taper Air Blow.
- MPG.
- Levelling pads.
- Centralized Lubrication system.
- Rigid Tapping.
- Coolant System.
- TPM Friendly Machines.
- Auto retrieval for ATC.



### MACHINING CAPABILITIES

OPERATION	DIA OF CUTTER/TOOL	CUTTING PARAMETERS	MATERIAL	CUTTING CAPACITY
MILLING	80	RPM 1000, FEED 1000 mm/Min	EN8	150 CC/Min
DRILLING	U-DRILL 25	RPM 1500, FEED 1500 mm/Min	EN8	Dia 25
TAPPING	COATED TAP	RPM 130	EN8	M25x1.5



Fanuc OiMF

SPECIFICATIONS	UNIT	ARV 500	ARV 700	ARV 800	ARV 1000
<b>Axes Strokes</b>					
X-axis	mm	500	700	800	1000
Y-axis	mm	400	450	510	550
Z-axis	mm	450	450	510	550
Spindle centre to column face	mm	475	475	545	575
Spindle face to table top	mm(Min-Max)	100-500	100-550	100-610	100-650
<b>Table</b>					
Working Surface	mm	650x400	900x450	1000x510	1200x550
T-Slots(NoxSizeXSpacing)	mm	3x14x125	4x18x100	5x18x100	5x18x100
Max load on the table	kg	300	350	500	600
Distance from floor to table	mm	930	965	1015	1070
<b>SPINDLE</b>					
Spindle Taper		BT-40	BT-40	BT-40	BT-40
Spindle Power	KW	5.5/7.5	5.5/7.5	7.5/11	7.5/11
Spindle Speed	RPM	8000	8000	8000	8000
Spindle Bearing Dia	mm	70	70	70	70
Full Power Availability	RPM	1000 Onwards	1000 Onwards	1000 Onwards	1000 Onwards
<b>Feed</b>					
Rapid	m/Min	30	30	30	30
Cutting Feed Rate	mm/Min	1-10000	1-10000	1-10000	1-10000
Auto Tool Changer					
No. of Tools		20	20	20	20
Tool Selection		Random Bi-Directional	Random Bi-Directional	Random Bi-Directional	Random Bi-Directional
Max. Tool Dia (All Pockets Full)	mm	80	80	80	80
Max. Tool Dia (Alt. Pockets empty)	mm	125	125	125	125
Max. Tool Weight	kg	8	8	8	8
Max. Tool length	mm	250	250	250	250
Tool Change Time	Sec	2.5	2.5	2.5	2.5
<b>Accuracies (As per ISO 230-2)</b>					
Positioning	mm	0.010	0.012	0.012	0.016
Repeatability	mm	0.006	0.007	0.008	0.009
CNC		Fanuc OiMF	Fanuc OiMF	Fanuc OiMF	Fanuc OiMF
Machine Weight	kg	3500	4000	5000	6000
Machine Dimension (WxLxH)	mm	1875x2300x2600	2400x2320x2650	2700x2700x2650	3000x3500x2900
Power Supply		415V, 3 Phase, 50 Hz.	415V, 3 Phase, 50 Hz.	415V, 3 Phase, 50 Hz.	415V, 3 Phase, 50Hz.
Power Requirements	KVA	15	15	20	15
Air Requirement	kg/sq cm	6	6	6	6

### OPTIONAL FEATURES AT EXTRA COST:

- Chip Conveyor.
- Higher RPM Spindle.
- Coolant Thru Spindle (CTS).
- Coolant gun.
- Spindle mounted probe.
- Table mounted probe.
- Electronic edge finder.
- 4th axis option NC Rotary table.
- 4th and 5th axes NC Rotary cum tilting table.
- Coolant filtration system.
- Panel AC for electrical Panel.
- Oil skimmer for coolant.

# ARV1100/1300

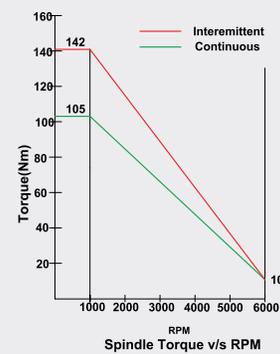
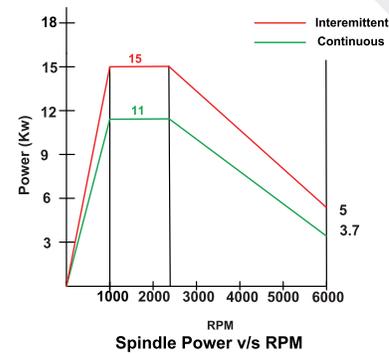
## STANDARD FEATURES OF THE MACHINES

- Linear Motion Guide ways for X, Y and Z-axis.
- 6 LM Blocks for X- axis.
- 4 LM Rails for Y- axis.
- Hardened and ground ball screws.
- Direct-coupled servomotors to the ball screws.
- High performance digital motors for spindle and axes.
- Heavy Duty cast structures.
- Absolute encoders for all the Axes.
- Fast cam driven Electro-mechanical Auto Tool Changer.
- Fanuc OiMF CNC System.
- Machine Guard with efficient coolant and chip flow.
- Chip Disposal on Rear Side.
- Electronic Counter balance.
- Spindle taper Air Blow.
- MPG.
- Levelling pads.
- Centralized Lubrication system.
- Rigid Tapping.
- Coolant System.
- TPM Friendly Machines.
- Auto retrieval for ATC.



## MACHINING CAPABILITIES

OPERATION	DIA OF CUTTER/TOOL	CUTTING PARAMETERS	MATERIAL	CUTTING CAPACITY
MILLING	80	RPM 1000, FEED 1000 mm/Min	EN8	220 CC/Min for BT-40 & 300 for BT-50
DRILLING	U-DRILL 40	RPM 1000, FEED 1000 mm/Min	EN8	Dia 40
TAPPING	COATED TAP	RPM 130	EN8	M25x2



SPECIFICATIONS	UNIT	ARV 1100 (BT-40)	ARV 1100 (BT-50)	ARV 1300 (BT-40)	ARV 1300 (BT-50)
<b>Axes Strokes</b>	mm				
X-axis		1100	1100	1300	1300
Y-axis		650	650	700	700
Z-axis		650	650	700	700
Spindle centre to column face	mm	700	700	700	700
Spindle face to table top	mm(Min-Max.)	100-750	100-750	100-800	100-800
<b>Table</b>					
Working Surface	mm	1300x650	1300x650	1500x700	1500x700
T-Slots(NoxSizexSpacing)		5x18x125	5x18x125	5x18x125	5x18x125
Max load on the table	kg	1000	1000	1200	1200
Distance from floor to table	mm	1090	1090	1090	1090
<b>Spindle</b>					
Spindle Taper		BT-40	BT-50	BT-40	BT-50
Spindle Power	KW	7.5/11	11/15	11/15	11/15
Spindle Speed	RPM	8000	6000	8000	6000
<b>Spindle Bearing Dia</b>	mm	70	100	70	100
Full Power Availability	RPM	1000 Onwards	1000 Onwards	1000 Onwards	1000 Onwards
<b>Feed</b>					
Rapid	m/Min	20	20	20	20
Cutting Feed Rate	mm/Min	1-10000	1-10000	1-10000	1-10000
Auto Tool Changer					
No. of Tools		24	24	24	24
Tool Selection		Random Bi-Directional	Random Bi-Directional	Random Bi-Directional	Random Bi-Directional
Max. Tool Dia (All Pockets Full)	mm	80	125	80	125
Max. Tool Dia (Alt. Pockets empty)	mm	125	200	125	200
Max. Tool Weight	kg	8	20	8	20
Max. Tool length	mm	250	400	250	400
Tool Change Time	sec	3.0	3.5	3	3.5
<b>Accuracies (As per ISO 230-2)</b>					
Positioning	mm	± 0.016	± 0.016	0.018	± 0.018
Repeatability	mm	± 0.010	± 0.010	0.010	± 0.010
CNC		Fanuc OiMF	Fanuc OiMF	Fanuc OiMF	Fanuc OiMF
<b>Machine Weight</b>	kg	8000	8000	9000	9000
<b>Machine Dimension (WxLxH)</b>	mm	3350x3650x3200	3350x3650x3200	3750x3650x3200	3750x3650x3200
<b>Power Supply</b>		415V, 3 Phase, 50 Hz.			
<b>Power Requirements</b>	KVA	25	25	25	25
<b>Air Requirement</b>	kg/sq cm	6	6	6	6

## ARV700/ARV800/ARV1000 with Pallet Changer

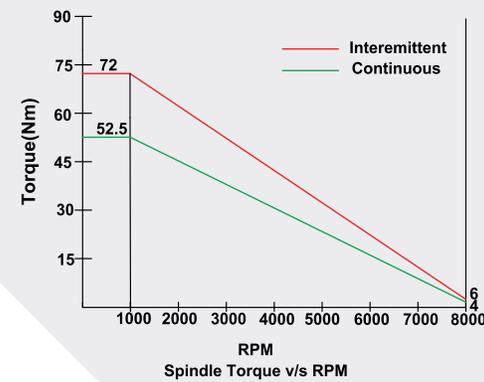
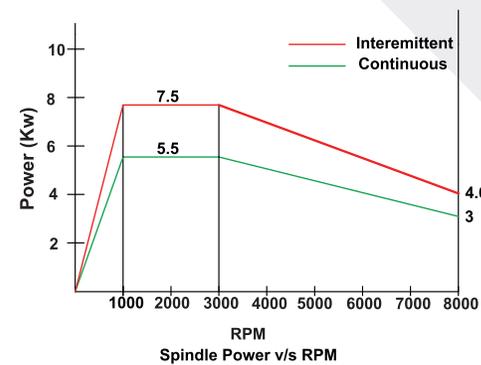
### STANDARD FEATURES OF THE MACHINES

- Linear Motion Roller Guide ways for X, Y and Z-axis.
- Hardened and ground ball screws.
- Direct-coupled servomotors to the ball screws.
- High performance digital motors for spindle and axes.
- Heavy Duty cast structures.
- Absolute encoders for all the Axes.
- Fast cam driven Electro-mechanical Auto Tool Changer.
- Fanuc OiMF System.
- Machine Guard with efficient coolant and chip flow.
- Electronic Counter balance.
- Spindle taper Air Blow.
- MPG.
- Levelling pads.
- Centralized Lubrication system.
- Rigid Tapping.
- Coolant System.
- TPM Friendly Machines.
- Auto retrieval for ATC and APC



### MACHINING CAPABILITIES

OPERATION	DIA OF CUTTER/TOOL	CUTTING PARAMETERS	MATERIAL	CUTTING CAPACITY
MILLING	80	RPM 1000, FEED 1000 mm/Min	EN8	150 CC/Min
DRILLING	U-DRILL 25	RPM 1500, FEED 1500 mm/Min	EN8	Dia 25
TAPPING	COATED TAP	RPM 130	EN8	M25x1.5

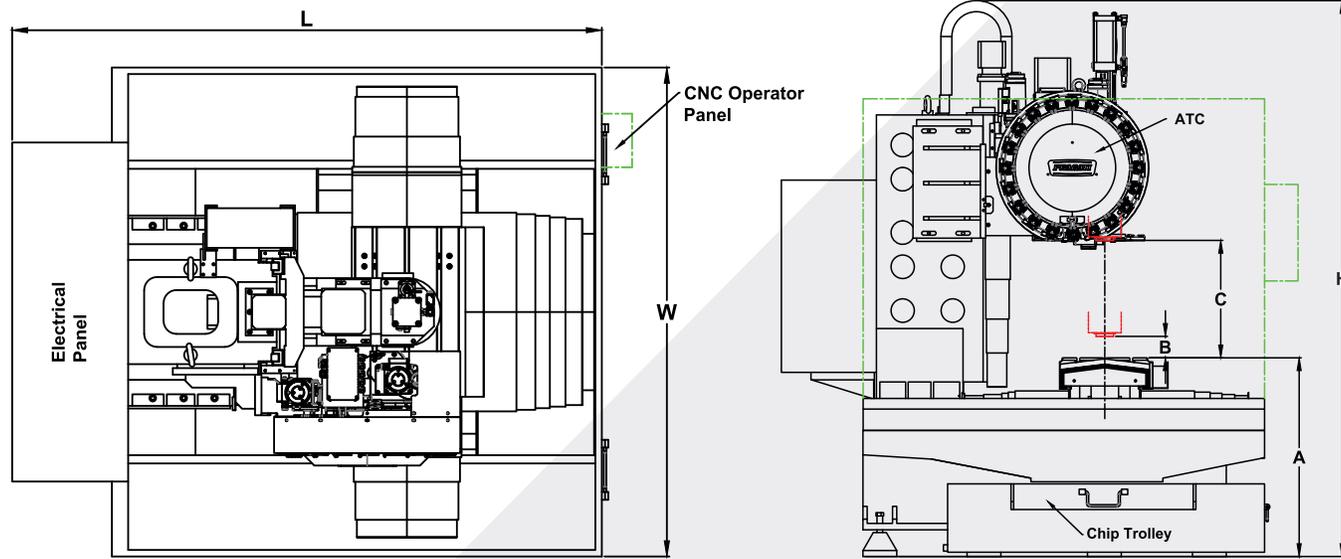


### SPECIFICATIONS

		ARV 700PC	ARV 800 PC	ARV 1000 PC
<b>Axes Strokes</b>	mm	700	800	1000
X-axis		450	510	550
Y-axis		450	510	550
Z-axis		475	545	575
Spindle centre to column face	mm	100-550	100-610	100-650
Spindle face to table top	mm (Min-Max)			
<b>Table</b>				
Working Surface	mm	700x425	800x490	1050x525
T-Slots(NoxSizeSpacing)		5x14x80	5x18x100	5x18x100
Max load on the table	kg	350	400	500
No. of Pallets		2	2	2
Pallet Change Time	Sec	18	20	20
Distance from floor to table	mm	1170	1230	1325
Type of Pallet Changer		Linear Driven by Servo	Linear driven by Servo	Linear Driven by Servo
<b>SPINDLE</b>				
Spindle Taper		BT-40	BT-40	BT-40
Spindle Power	KW	5.5/7.5	7.5/11	7.5/11
Spindle Speed	RPM	8000	8000	8000
Spindle Bearing Dia	mm	70	70	70
Full Power Availability	RPM	1000 Onwards	1000 Onwards	1000 Onwards
<b>Feed</b>				
Rapid	m/Min	30	30	30
Cutting Feed Rate	mm/Min	1-10000	1-10000	1-10000
Auto Tool Changer				
No. of Tools		20	20	20
Tool Selection		Random Bi-Directional	Random Bi-Directional	Random Bi-Directional
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
<b>Accuracies (As per ISO 230-2)</b>				
Positioning	mm	0.012	0.0012	0.016
Repeatability	mm	0.007	0.008	0.009
CNC		Fanuc OiMF	Fanuc OiMF	Fanuc OiMF
<b>Machine Weight</b>	kg	4000	5000	7500
<b>Machine Dimension (WxLxH)</b>	mm	3250x2700x2800	3500x3200x3000	4200x3550x3150
<b>Power Supply</b>		415V, 3 Phase, 50 Hz.	415V, 3 Phase, 50 Hz.	415V, 3 Phase, 50Hz.
<b>Power Requirements</b>	KVA	15	20	25
<b>Air Requirement</b>	kg/sq cm	6	6	6

### OPTIONAL FEATURES AT EXTRA COST:

- Chip Conveyor.
- Higher RPM Spindle.
- Coolant Thru Spindle (CTS).
- Coolant gun.
- Spindle mounted probe.
- Table mounted probe.
- Electronic edge finder.
- Coolant filtration system.
- Panel AC for electrical Panel.
- Oil skimmer for coolant.



PLAN VIEW

LHS VIEW

DIMN.	ARV 500	ARV 700	ARV 800	ARV 700(PC)	ARV 800(PC)	ARV 1000	ARV 1100	ARV 1300
W	1875	2400	2700	3250	3500	2950	3350	3750
L	2300	2320	2700	2700	3200	3000	3650	3650
H	2600	2650	2650	2800	3000	3000	3200	3200
A	930	965	1015	1200	1200	1070	1090	1090
B	100	100	100	100	100	100	100	100
C	550	550	610	550	610	650	750	800

## Our Presence



- Ludhiana
- Jalandhar
- Chandigarh
- Rohtak
- Delhi
- Noida
- Gurgaon
- Faridabad
- Haridwar
- Jaipur
- Bhiwadi
- Alwar
- Jamnagar
- Ahmedabad
- Rajkot
- Baroda
- Surendranagar
- Surat
- Vadodara
- Vapi
- Valsad
- Daman
- Indore
- Jamshedpur
- Kolkatta
- Nasik
- Mumbai
- Nagpur
- Pune
- Kolhapur
- Hyderabad
- Bangalore
- Chennai
- Coimbatore

## Our Clients



## Technology Partners

