



Product Line Up

All Metal Cutting Solutions at One Place

VMC | DCMC | HMC | HBC | VTL

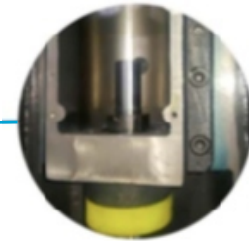
IMV - Series

Vertical Machining Center

We are using Pragati / Deta
Make ATC



We are using Fanuc / Mitsubishi / Fagor
Siemens CNC Control / Servo Motors on
all 3 Axis



Using C3 class precision ball
Screws with proper
pre-stretching



We use top brand Taiwanese
Spindle in our Machine



Using German / Taiwan Make
Guide rails.



The Main Frame is made up of High Grade Cast Iron.
Enlarge distance between guide ways for optimised
machine performance.



TECHNICAL SPECIFICATIONS

		IMV-650	IMV-850	IMV1160	IMV-1375
Table Size	mm x mm	800 x 500	1000 x 550	1300 x 600	1500 x 750
T-Slot	(No. x Width)	4 x 18 x 100	5 x 18 x 100	5 x 18 x 100	5 x 18 x 100
Max Load On Table	Kg	500	700	1000	1500
Travel					
X Axis Stroke	mm	600	850	1100	1300
Y Axis Stroke	mm	500	500	600	750
Z Axis Stroke	mm	400	500	600	750
Face to Table Top	mm	100-500	150-700	150-650	150-900
Max Travels Speed					
X / Y / Z	m/min	30/30/20	30/30/20	30/30/20	20/20/15
Spindle					
Spindle Taper		BT-40	BT-40	BT-40	BT-40 (BT-50)
Spindle Power	Kw	5.5/7	7.5/11	7.5/11	11/15
Speed Range	RPM	9000	9000	9000	9000
ATC Options					
BT-40	No.	24	24	24	24
BT-50	No.	-	-	-	24
Basic Details					
Connected Load	KVA	15	20	25	30
Machine Weight	Kg	4000	5000	7500	10000
Controller					
Mitsubishi / Fanuc / Siemens					



CNC Engraving Machine

High Speed Milling / Engraving Series

SPEC/MODEL	IMD 243-D	IMD 642 A
Size of Work Table (L*W)	400mm x 300 mm	600mm x 400mm
Travel of X,Y,Z Axis	200mm x 400mm x 300mm	500mm x 400mm x 200mm
Feed X,Y,Z	20/20/10	20/20/10
Position Accuracy	0.01mm/300mm	0.01mm/300mm
Repeatability	0.005mm	0.005mm
Spindle	ER20 / 5000-24000 rpm 3.0KW Water Cooled	ER20 / 5000-24000 rpm 3.0KW Water Cooled
Construction	Double column	Double column
Power Supply	3-Phases 415V/50Hz	3-Phases 415V/50Hz
CNC Controller	Delta/Weihong/Mitsubishi/Fagor	
Servo Motor and Drive	Delta/Weihong/Mitsubishi/Fagor	
Guides and Ball Screw	Precision Linear guides & ball screws	

Optional

- 4th Axis
- 5th Axis
- High Power Metal
- Cutting Spindle
- Multi Spindle Heads



IMG - Series

Gantry Type - Vertical Machining Center



		IMG - 540	IMG - 860	IMG - 1080
Machine Construction		Cast Iron (CI)	Cast Iron (CI)	Cast Iron (CI)
Machine Type		Gantry Type	Gantry Type	Gantry Type
Table Size - X & Y (Fixed)	mm	600 x 400	1000 x 600	1200 x 1000
T-Slot	No. x Width	3 x 18 x 100	5 x 18 x 100	6 x 18 x 100
Maximum Load on Table	Kg	1500	2000	2500
Travel				
X- Axis Stroke	mm	500	800	1000
Y- Axis Stroke	mm	400	600	800
Z- Axis Stroke	mm	400	550 (650)	550 (650)
Face to Table Top	mm	150 - 550	100 - 650	100 - 650
Maximum Travels Speed				
X / Y / Z	m/min	30/30/30	30/30/30	30/30/30
Spindle				
Spindle Taper		BT - 40	BT - 40	BT - 40
Spindle Power	Kw	5.5 /7	7.5 /11	7.5/11
Spindle Range	RPM	10000	9000	9000
ATC Options				
BT - 40	No.	20	20	20
X/Y/Z Positioning	mm	0.007	0.007	0.007
Repeatability	mm	0.005	0.005	0.005
Connected Load	KVA	15	20	20
Controller	Mitsubishi / Fanuc / Siemens			

IMG - Series

Gantry Type - Vertical Machining Center

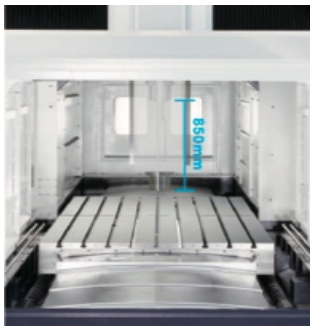
TECHNICAL SPECIFICATIONS

		IMG-1210	IMG-1610	IMG-1612
Table Size (X & Y)	mm x mm	1400 x 1400	1800 x 1400	1800 x 1600
T-Slot	(No. x Width)	6 x 18 x 100	6 x 18 x 100	6 x 18 x 100
Max Load On Table	Kg	3000	4000	5000
Travel				
X Axis Stroke	mm	1200	1600	1600
Y Axis Stroke	mm	1000	1000	1200
Z Axis Stroke	mm	700/850	700/850	700/850
Face to Table Top	mm	100-800	100-800	150-850
Max Travels Speed				
X / Y / Z	m/min	30/30/30	30/30/30	20/20/20
Spindle				
Spindle Taper		BT-40	BT-40	BT-40(BT-50)
Spindle Power	Kw	7.5/11	11/15	15/18.5
Speed Range	RPM	9000	9000	6000
ATC Options				
BT-40	No.	24	24	24
BT-50	No.	-	-	24
Basic Details				
Connected Load	KVA	25	30	35
Machine Weight	Kg	9000	10000	18000
Controller				
		Mitsubishi / Fanuc / Siemens		

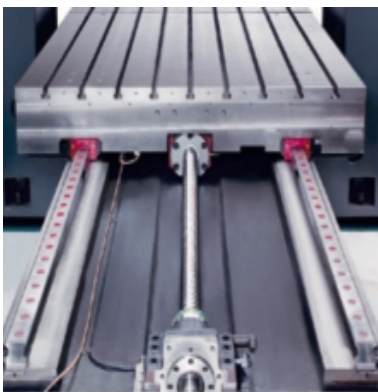
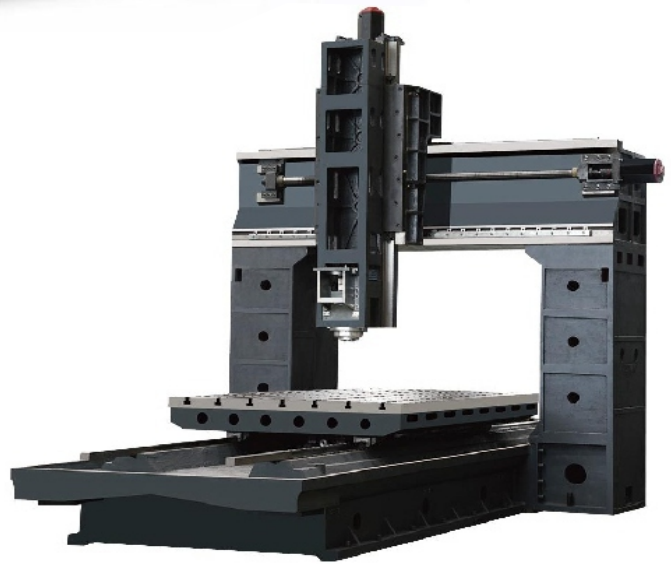
		IMG-2012	IMG-2016	IMG-3016
Table Size	mm x mm	2200 x 1600	2200 x 2000	3200 x 2000
T-Slot	(No. x Width)	6 x 18 x 100	7 x 18 x 100	7 x 18 x 100
Max Load On Table	Kg	6000	7000	8000
Travel				
X Axis Stroke	mm	2000	2000	3000
Y Axis Stroke	mm	1200	1600	1600
Z Axis Stroke	mm	850 (1000)	850 (1000)	850 (1000)
Face to Table Top	mm	150-1000	150-1000	150-1000
Max Travels Speed				
X / Y / Z	m/min	20/20/20	20/20/20	20/20/20
Spindle				
Spindle Taper		BT-50	BT-50	BT-50
Spindle Power	Kw	15/18.5	15/18.5	15/18.5
Speed Range	RPM	6000	6000	6000
ATC Options				
BT-40	No.	-	-	-
BT-50	No.	24	24	24
Basic Details				
Connected Load	KVA	35	35	35
Machine Weight	Kg	22500	23000	26000
Controller				
		Mitsubishi / Fanuc / Siemens		

IMD - Series

Double Column Vertical Machining Center



All our double column are standardly equipped with Z-Axis stork of 850mm.



In Y-Axis is dual guide ways supported by step design, it allows for vertical & horizontal arrangement with higher rigidity than normal set-ups.



A properly preloaded and pretensioned, large diameter ballscrew is used for all 3 axis

IMD - Series

Double Column Vertical Machining Center

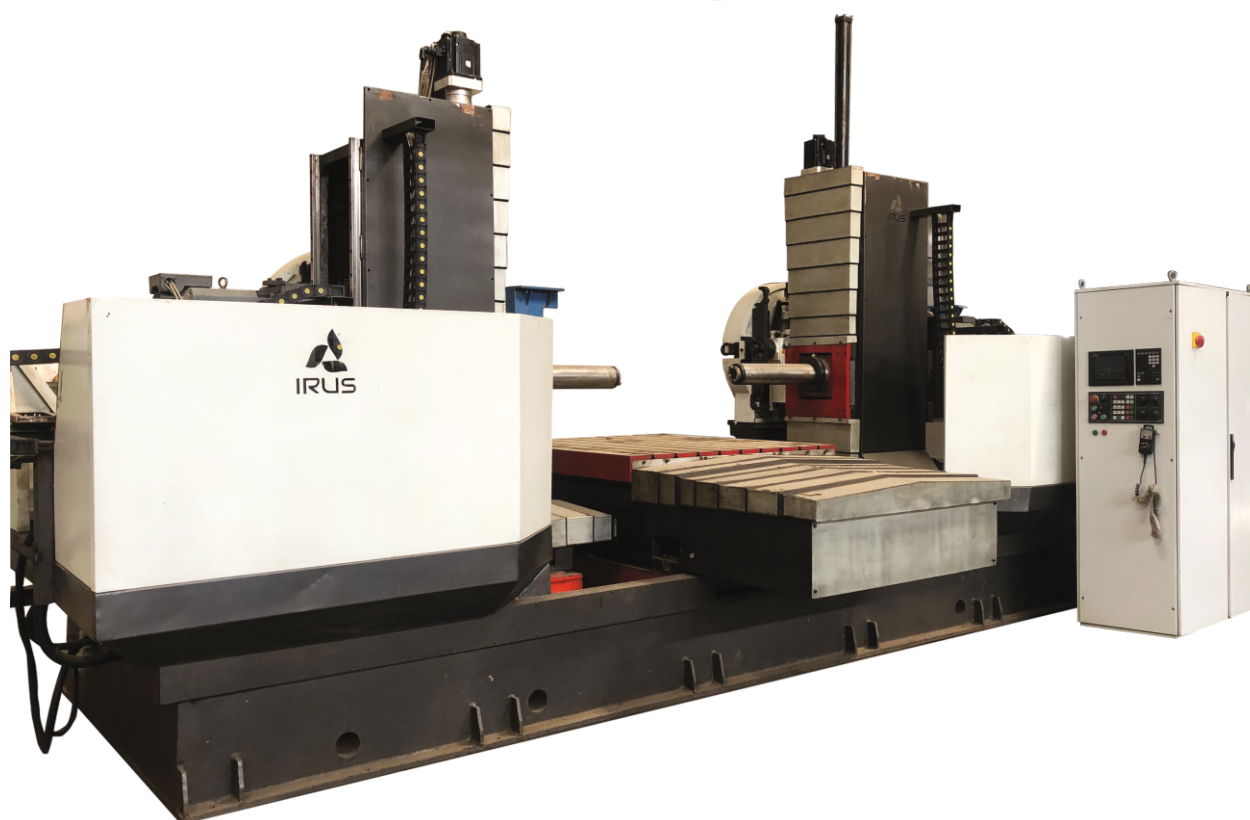
TECHNICAL SPECIFICATIONS

	UNIT	IMD-2212	IMD-3216	IMD-4216
Table Size	mm	2200 x 1000	3200 x 1500	4200 x 1500
T-Slots	(No.xWidth)	22 x 7 x 160	22 x 9 x 160	22 x 9 x 160
X Axis Travel	mm	2200	3200	4200
Y Axis Travel	mm	1200	1600	1600
Z Axis Travel	mm	850	1000	1000
Distance from Spindle	mm	150-1000	150-1150	150-1150
Nose to Table Centre				
Distance Between	mm	1400	1700	1700
Columns				
Max Loading Capacity	Kg	4000	10000	12000
X Axis Rapid	m/min	20	20	15
Y Axis Rapid	m/min	20	20	20
Z Axis Rapid	m/min	15	15	15
Spindle Motor	Kw	18.5/22	18.5/22	18.5/22
Max Spindle Speed	RPM	6000	6000	6000
ATC		BT 50	BT 50	BT 50
Tool Storage		24	24	24
Weight	Kg	17000	31000	36000
Controller		Mitsubishi / Fanuc / Siemens		

	UNIT	IMD-3222	IMD-4222	IMD-5222
Table Size	mm	3200 x 2100	4200 x 2100	5200 x 2100
T-Slots	(No.xWidth)	28 x 10 x 200	28 x 10 x 200	28 x 10 x 200
X Axis Travel	mm	3200	4200	5200
Y Axis Travel	mm	2200	2200	2200
Z Axis Travel	mm	1000	1000	1000
Distance from Spindle	mm	150-1150	150-1150	150-1150
Nose to Table Centre				
Distance Between	mm	2300	2300	2300
Columns				
Max Loading Capacity	Kg	10000	14000	18000
X Axis Rapid	m/min	20	15	15
Y Axis Rapid	m/min	20	20	20
Z Axis Rapid	m/min	15	15	15
Spindle Motor	Kw	18.5/22	18.5/22	18.5/22
Max Spindle Speed	RPM	6000	6000	6000
ATC		BT 50	BT 50	BT 50
Tool Storage		24	24	24
Weight	Kg	33000	40000	45000
Controller		Mitsubishi / Fanuc / Siemens		

IMH - Series

Horizontal Machining Center



TECHNICAL SPECIFICATIONS

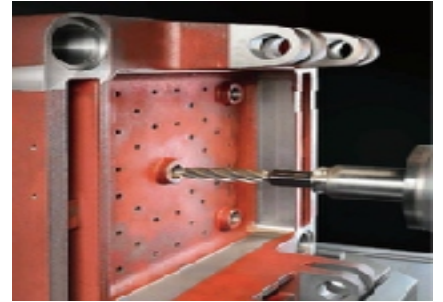
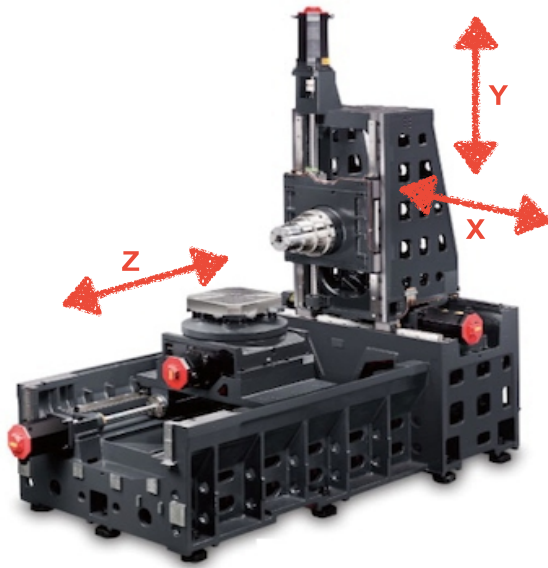
	UNIT	IRUS IMH 500	IRUS IMH 5000	IRUS IMH 6300	IRUS IMH 8000
Pallet Size	mm	500 x 500	500 x 500	630 x 630	800 x 800
X Axis Travel	mm	850	850	1100	1450
Y Axis Travel	mm	700	700	850	1050
Z Axis Travel	mm	850	850	1000	1200
Distance from Spindle Nose to Table Centre	mm	100-950	100-950	100-1100	150-1350
Max Loading Capacity	Kg	800	800	1000	1800
X Axis Rapid	m/min	30	30	30	24
Y Axis Rapid	m/min	30	30	30	24
Z Axis Rapid	m/min	30	30	30	24
Pallet Type		24-M16 x P2.0	24-M16 x P2.0	24-M16 x P2.0	24-M16 x P2.0
Max Spindle Speed	RPM	9000	6000	6000	6000
ATC		BT 40	BT 50	BT 50	BT 50
Tool Storage	KWA	24	24	24	24
Spindle Motor		11/15	15/18.5	15/18.5	15/18.5
Power Supply	KVA	30	35	40	40
Weight	Kg	12000	12000	18000	22000
Controller		Mitsubishi / Fanuc / Siemens			

- HMC combine high rigidity structure, heavy duty load capacity rotary table and a high torque spindle or high speed spindle along with our professional assembly and hand scraping skills.
- HMC can easily overcome most stringent requirements of not only deep hole drilling & boring but high precision mold milling which meet your various needs for today and the future.
- HMC provide better chips removal ability.
- HMC precision quality and superior performance are designed to meet aerospace industry, transportation equipment, energy industry large parts machining and mold machining needs.

IMH - Series

Horizontal Machining Center

DOUBLE



Reliable ATC System



Rotary with 0.001 Degree



Fixed Spindle - ZT



RAM Type Spindle - ZS



IVT - Series

Vertical Turning Center



SPECIFICATION	UNIT	IVT 500	IVT 830
Swing Over Bed	mm	600	900
Std. Turning Diameter	mm	300	390
Max Turning Diameter	mm	500	830
Max Turning Length	mm	460	750
X Axis Travel	mm	268	495
Z Axis Travel	mm	488	780
Chuck Size	Inch	12	15
Rapid X Axis	m/min	20	20
Rapid Z Axis	m/min	24	20
Max Spindle Speed	RPM	3000	2000
Spindle Nose		A2-8	A2-11
No. of Tool Station		12	12
OD Tool Size	mm	25	32
Spindle Motor	Kw	18.5/22	18.5/22
Power Supply	KVA	40	45
Weight	Kg	5000	8500
Controller	Mitsubishi / Fanuc / Siemens		

IMB - Series

Horizontal Boring Center



SPECIFICATION	UNIT	IMB 110	IMB 130
Pallet size	mm	1400 x 1600	1400 x 1600
X Axis Travel	mm	2010	2010
Y Axis Travel	mm	1500	1500
Z Axis Travel	mm	1200	1200
W Travel	mm	500	600
Distance from Spindle Nose to Table Centre	mm	500-1700	550-1800
Max Loading Capacity	Kg	7000	8000
X Axis Rapid	m/min	10	10
Y Axis Rapid	m/min	10	10
Z Axis Rapid	m/min	10	10
Boring Spindle Diameter	mm	110	130
Max Spindle Speed	RPM	3000	3000
ATC		BT 50	BT 50
Tool Storage		24	24
Spindle Motor	Kw	18.5/22	18.5/22
Controller	Mitsubishi / Fanuc / Siemens		

ITH - Series

CNC Lathe Machines



		ITH - 150	ITH - 300
Machine Construction	Cast Iron (CI)		
WORKING CAPACITY RANGE			
Swing Diameter Over Bed:	mm	200	450
Max Turning Dia	mm	120	300
Standard Turning Dia	mm	100	280
Max. Turning Length	mm	110	250
MAIN SPINDLE			
Bore Thru Spindle	mm	58	55
Spindle Nose		A2-5	A2-5
Servo Spindle Power	Kw	3.7/5.5 kW	5.5/7.5
Spindle Speed Range (Infinitely Variable)	RPM	50-5000	50-5000
Full Power Range:	RPM	800-3000	800-3000
BALL SCREW			
X - Axis	mm	30	30
Y - Axis	mm	30	30
STROKE			
X - Axis	mm	160	200
Z - Axis	mm	360	300
ACCURACIES			
Positional Accuracy	mm	0.007	0.007
Repeatability	mm	0.005	0.005
LM Guideways	mm	35	35

IGC - Series

CNC Surface Grinders



	UNIT	IGC - 550	IGC - 600
Machine Construction	Graded Cast Iron		
Max. Table Size	mm	300 x 550	350 X 600
Max Longitudinal Travel	mm	500	650
Max Cross Transverse	mm	305	400
TableMax Spindle Centre Height Above	mm	400	500
Size of Grinding Wheel	mm	300 x 40 x 76.2	300 x 40 x 76.2
Spindle Motor	kw	3.7	5.0
Spindle Motor	Rpm	1400 / 2900	1400 / 2900
Max load on table	Kg	400	400
Table speed	Meter/ Min	1 - 30	1 - 28
Drive	Longitudinal Cross Vertical	Hydraulic Servo motor with inverter and ball screw Servo motor and ball screw	

ABOUT IRUS

IRUS Engineering Pvt. Ltd is a fast growing renowned organization providing optimized end to end Manufacturing and Machining Solutions via range of its CNC Machining Centers (3,4 & 5 axis) - Vertical Machining Centers, Horizontal Machining Centers , Gantry Type VMC, Double Column Type VMC, CNC Horizontal Boring Mills, CNC Long Travel Moving Column Machining Center, CNC Vertical Turning Centers and Grinding Machines.

PRESENCE

Based in Ghaziabad, we have three units offering end to end solutions for manufacturing industry.

COMMITMENT

Delivering value to our costumers in terms of Quality & Services.

CREDENTIALS

- All units are ISO 9001 certified

FACILITIES

- State of art machining setup to ensure precision in product.
- Our Machine Tool Division, established in 2006, manufacturers CNC Machining Center and SPM for wide range of industries.
- Service and training help customers optimize productivity and maintain superlative quality.

TECHNOLOGY

- We keep abreast of Technology worldwide and invest strategically to ensure our manufacturing facilities are top of the line.
- An R & D focus underscores our commitment to innovative Technology and continuous upgradation of Technology to insure top of the line manufacturing facilities.

PEOPLE

- Our strength lies in involvement of committed team, through motivation & training. Continuous motivation and training, maintains the team to dynamic market requirements & responsive to customer needs.

SALES & SERVICE NETWORK - INDIA

- Highly trained team of professional service engineers available 365days.
- Online Service Request management integrated with state of the art CRM.

Manufactured By:



IRUS Engineering Pvt Ltd

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