FOR MORE INFORMATION PLEASE CONTACT

WEST ZONE

Rajkot	: 93777 87930
Jamnagar	: 63560 02819
Surendranagar	: 63560 02812
Morbi	: 93779 87930
Bhavnagar	: 93754 87930
Ahmedabad	: 93775 87930
Sanand	: 93775 87930
Anand	: 93280 87930
Baroda	: 93770 87930
Halol	: 63560 02810
Surat	: 93753 87930
	: 93770 87930
Vapi	: 93753 87930
Mumbai	: 93203 87930
Nasik	: 93713 87930
Aurangabad	: 93712 87930
Kolhapur	: 72858 55955
Pune	: 93715 87930

EAST ZONE

Kolkata	: 90517 89197
	: 93758 45361
Jamshedpur	: 90517 89197
	: 93758 45361

NORTH ZONE

Delhi	: 76000 10288
	: 88515 98788
	: 89504 69265
Faridabad	: 76000 10288
Ghaziabad	: 76000 10288
	: 88515 98788
	: 89504 69265
Noida	: 76000 10288
	: 88515 98788
	: 89504 69265
Sonipat	: 89504 69265
Gurugram	: 88515 98788
	: 98730 68625
Ludhiana	: 99886 93302
Mohali	: 99886 93302
Jaipur	: 72111 88869
Alwar	: 72111 88869
Jodhpur	: 72111 88869

SOUTH ZONE

Hyderabad	: 99899 55887
Bangalore	: 70460 87930
	: 93430 87930
Belgaum	: 91641 02610
Chennai	: 63560 02822
	: 99925 99961
Coimbatore	: 99925 99961
Trichy	: 99925 99961
Kerala	: 99925 99961

CENTRAL ZONE

Indore	: 95753 01481
Bhopal	: 95753 01481

macpower

MACPOWER CNC MACHINES LTD.

Regd. office address : Plot No. 2234, Near Kranti Gate, GIDC, Metoda - 360 021. Rajkot, Gujarat. (INDIA)

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sales@macpowercnc.com

www.macpowercnc.com

Note : Technical Specifications and Colors are subject to change as a part of continous development.

CE Certified

ISO 9001:2015 CERTIFIED COMPANY

March, 2021

macpower

ALL NEW
5th Generation
2020
SERIES

VMC
series

www.macpowercnc.com

Company Profile

Macpower CNC Machines Limited (Macpower) welcomes to the world of machining excellence. More than one and half decades of experience and the vision towards creating a niche has transformed Macpower into India's fastest growing CNC Manufacturing Company. This meteoric growth is a result of Macpower's vision of par excellence to manufacture state of the art products, adopting the best in technology.

In 2003, Macpower Group started Macpower CNC Machines Limited, CNC Machines manufacturing unit in an area of around 4 acres and has grown to almost double thereafter with 2 units in operation at present situated at Metoda G. I. D.C., Rajkot (India). Macpower is registered to ISO 9001(Design), a universally accepted quality assurance designation and MSE-1 certification for highest financial strength and operational ability by CRISIL.

The modern headquarters contains a spacious State of the Art Machine Shop, Totally Equipped Assembly Shops, All Modern Measuring and Testing Equipments, Technologically Advanced Sheet Metal Unit and One of it's Kind Powder Coating Plant make Macpower Totally In-House Manufacturing Company.

Macpower is currently offering widest range of **9** different product categories namely Turning Center, Twin Spindle Turning Center, VMC, Twin Spindle VMC, TurnMill Center, HMC, VTL, DTC, Grinder with **27** versions and **60+** different models serving **27** industry segment world wide with **8000+** installations.

Sales & Service Team presence in **37** cities across the country with **107** qualified engineers and **9** business associates; establishment of multiple regional offices and technology centers across the country to have better connect with our valued customers.

macpower

Infrastructure

Macpower has grown multifold by accepting latest technological advancements along with developing state of the art INFRASTRUCTURE facilities like Machine Shop having range of latest mother machineries, well planned assembly lines with Ucrete flooring, modern sheet metal unit , technologically advance 11 tank hot and cold process powder coating plant and an array of latest measuring and testing equipments make Macpower deliver truly world class products through total inhouse manufacturing facilities.

The Ultra Modern machine shop hosts an a series of mother machineries like multi axes internal and external thread grinder, moving column boirng machine, multiple DCMs, tooled up HMCs, surface grinder, series of VMCs, TurnMill Center along with latest material handling facilities and all the mother machineries are equipped with latest high end toolings and separate set of measuring instruments and QC procedure is being laid down for testing of machined components.

Technologically Advance Machine Shop

Totally In-house Manufacturing Facilities

Set up in a constructed area of around 1 lakh sq. feet.

Consists of series of multiple mother machineries, state of the art assembly lines, sheet metal units, powder coating plant along with technolocially advance measuring and testing equipments.

- 5 axes double column machining centers with universal head
- Synchronous Multiple HMCs
- State of the art Boring Machine

BORING MACHINE

Multiple Double Column Multi Tasking Machines

- State of The Art Multiple Double Column Machining Centers.
- In House Machining of High Accuracy Components.
- Accomplished With High End Fixtures & Angular Heads.

DCM FOUR STAR

DCM SIGMA

Inhouse Spindle Manufacturing

KELLENBERGER

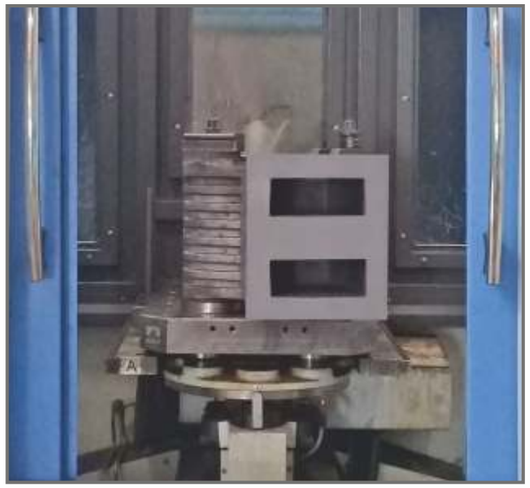
- Kellenberger KEL 100 Universal Cylindrical Grinder with Thread Grinding Facility
- Controlled Temprature Precision Room for spindle assembly.
- Hitech Spindle Balancing System

Slide Way Grinding Facility

- Slide Way Grinding Machine With 2 Servo Heads
- Direct LM Guide Way Mounting Without Scraping

KENT

Tooled Up Multiple HMCs



High end multiple HMCs with specialized tooling enables multi face machining in single set up with desired accuracy.

HMC

Turning Center Assembly

Machining Center Assembly

Assembly Areas

- Ucrete flooring.
- Hitech assembly instruments.
- Total dust free working environment.
- Separate Assembly areas have been set up accordingly for product categories like Turning Centers, Machining Centers, TurnMilll Centers, Multi Axes Machines.

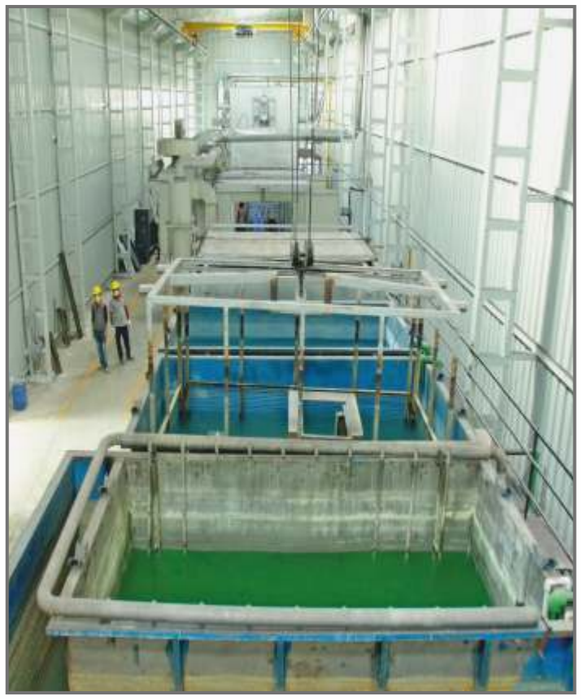
Sheet Metal Unit

- 8 Axes AMADA Press Brake with Auto Angle correction.
- SAHAJANAND fiber laser profile cutting machine.
- Modular welding and Assembly set up.
- Separate Storage Area for ready to use Sheet Metal Enclosures.

SLTL LASER CUTTING

AMADA

Powder Coating Plant



- With 11 Tank PT Hot and Cold Process System – 1st of It's Kind in Machine Tool Industry.
- GEMA Automatic Powder Coating Gun System
- With Advanced Lab Testing Equipments

Array of Hitech Instruments

- FARO EDGE Portable CMM
- Auto Collimeter
- In Situ Spindle Balancing Kit
- Laser Belt Alignment and Tension Measurement Kit
- Electronic Level.
- Tool Presetter.

Portable CMM Faro Edge

Laser Belt Alignment Unit

MPM In-Situ Balancing Kit

Wyler Electronic Level

Condition Analyser

Belt Tension Meter

Ballbar Instrument

Tool Presetter

Toolings & Fixtures

Renishaw Laser Instrument

Induction Heater

High End Softwares

ERP

Creo

Solid Edge

Solid Works

Master Cam

E Plan

FEA

Logos shown above belongs to respective organizations.

Research and Development

Decades of experience and the vision towards creating a niche have what transformed Macpower into India's fastest growing CNC Machines Manufacturing Company.

To Prepare For Tomorrow, We Have To Be Ready Today

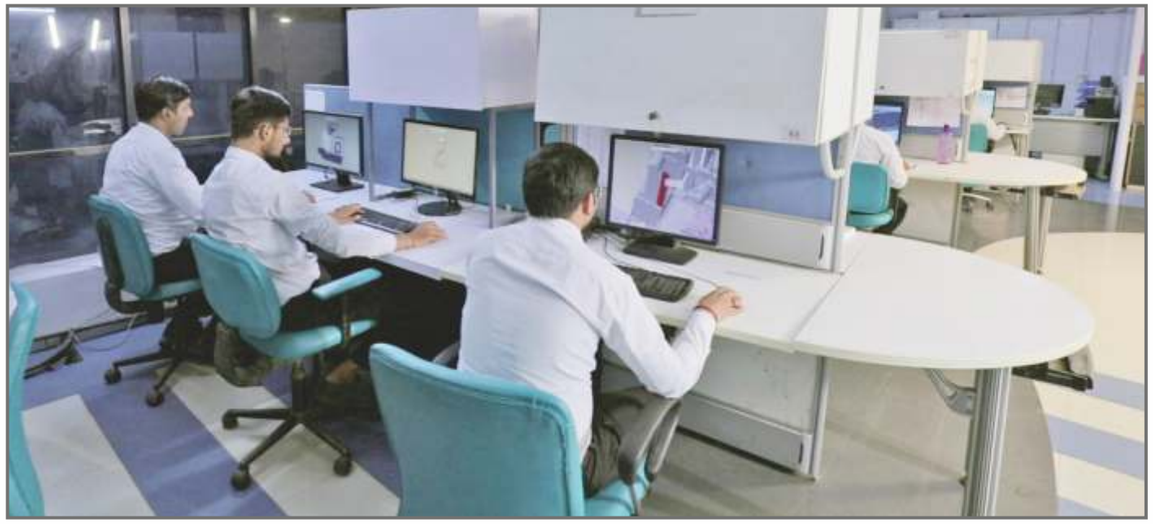
Our state-of-the-art Research & Development Department is backbone of our Manufacturing activity and provide foundation. At Macpower, we believe that Strong R&D and innovation is the need.

At Macpower R&D department, we have intelligent minds with diverse backgrounds to develop technology that is not just effective today, but also tomorrow.

As our machine development process afforded by the incorporation of digital design techniques, we were able to take an idea and turn it into a prototype in just under one to two months.

At Macpower, CREO 4 of PTC- 3 D Modelling and Finite Element Analysis (FEA) digital design tools allow our designers to achieve maximum accuracy and flexibility.

At Macpower R & D Performs : New Product Research, New Product Development, Existing Product Updates, New Process development, Innovation



Why Macpower ?

- Totally In-house Manufacturing Capability
- Wide range of products to choose from
- Effective "Cost to Performance" solution provider
- Believing in partnership with customers and not as buyer and seller
- Efficient after sales service back up
- Availability of spares
- Emphasis on continuous R & D & Training
- Flexibility & Openness to manufacture customized machines
- Fast decision making process
- Macpower is a company with a modern outlook - giving you contemporary solutions through time-tested expertise.

Industry 4.0 & IoT

- We Provide Full Machine Remote Monitoring.
- Analysis of Utilization Rate of Machine.
- Machine Alaram Analysis.
- CNC Programme Upload / Download.
- Analysis of Down Time.
- Machine Status History.
- Single to Multiple Machine Connectivity.
- Operated on PC & Mobile.
- Customized Application Development.

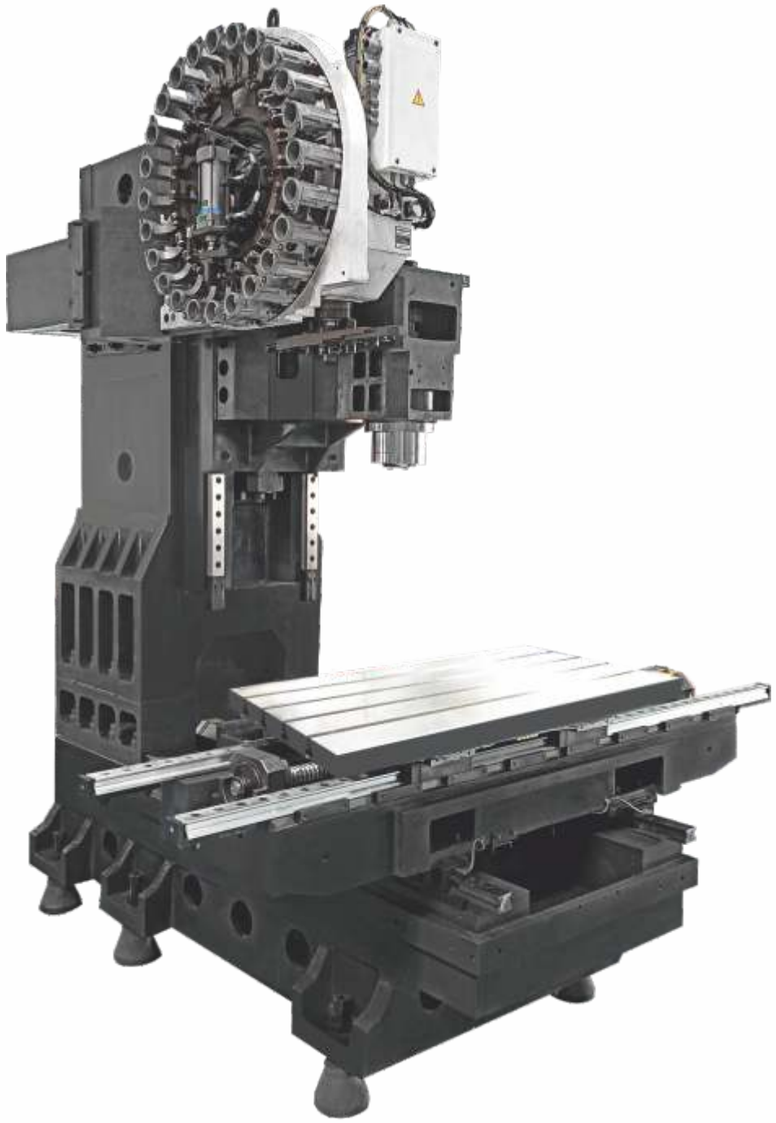
Overview

Our new generation Vertical Machining Centers are incorporate a wide range of enhancements and available with a myriad of options to choose from.

The modular machine portfolio and sophisticated engineering knowledge that enables us to deliver optimized solutions with optimal performance that make Macpower VMCs better than ever before.

Rigid & Massive Structure

Sturdiness of the foundation determined the soundness of the structure. The major construction parts are based on FG260 grade cast iron, to ensure optimum harmonic stability and maximum damping during cutting. Base and column are reinforced with heavy ribs for stability and least distortion. The uniform dense, fine graded casting distributed stress and heat throughout the machine structure.



V 1066 SUPER, V 1366, V 1376, V 1588, V 1888 & V 2199 have 4 LM Guideways in Y Axis

High Capacity Accurate Spindle

The precision cartridge spindle unit having three super precise angular contact bearings at front and two at rear end, this combination ensures higher stiffness. Bearings are perfectly aligned and grease packed for long life.

Spindle is indirectly driven by high speed AC spindle motor with reduced pulley ratio, to achieve high spindle torque and optimal performance of machine.

Precise Linear Guideways

All axes are furnished with precise and heavy load capacity re-circulating ball guide ways enabling high acceleration-de acceleration and hence batter productivity

Double-Anchored Ball Screws

Ball Screws are directed by direct coupled AC servo motor with flexible coupling. This greatly improves positioning accuracy, and provides more accurate threading and contouring. Ball Screws are anchored at both ends and inspected for parallelism with axis guide. Pre-loaded ball nuts eliminate backlash.

Reliable ATC

Twin arm type side mounted ATC driven by screw and cam speed up tool changing time with random access and resulted in reduce cycle time and higher productivity. Each subsystem is tested for innumerable cycle at every stage to enhance reliability.

Advance Inspection Technology

Laser Calibration is carried out to insure the linear accuracy, providing accurate compensation for pitch and backlash. The machine facilities the attainment of positional accuracy up to 0.01 mm / 300 mm and repeatability accuracy up to 0.007 mm.

Productivity Enhancement Options

4th & 5th Axis Capability (Rotary Tilting)

For maximum application and cutting flexibility, usage of 4th Axis or 5th Axis rotary table with high resolution feedback system can be opted. These rotary tables can be programmed through the control system, that can be used to increase productivity by multiple side workpiece in single setting

Auto Pallet Changer (APC)

Improve production time and reducing total time of production cycle, Auto pallet changer is best solution with vertical machining centers.

Coolant Through Spindle (CTS)

This option provides high pressure filtered coolant directly to the cutting edge minimizing heat distractions, ensuring maximum productivity with today's high performance tooling. High recommended for jobs demanding deep boring and tapping.

Chip Conveyor

Machine can be mounted with chip conveyor option for efficient Swarf removal for entire series . such type of arrangements is very much useful for applications requiring continues machining hours having much metal removal. with help of downtime can be reduce drastically.

Flush Coolant System

Efficient chip remove is one of the important factor for better productivity with un-intrrupted machining operations can be efficiently enhanced by selections of flush coolant system, high pressure coolant splash via flexible nozzles can be targeted to area of maximum chip accumulation. such a system enhance reduction in machining down time to operate and hence positively effecting productivity.

Gear Box

For application requiring high cutting for harder material or high cutting speed for soft materials, 2-speed gearbox need to be opted. These gearbox provide higher cutting torque at lower RPM with auto shifting mechanism keeping power constant. Such gearbox get directly coupled to main spindle motor giving production flexibility without disturbing precision.

Probes

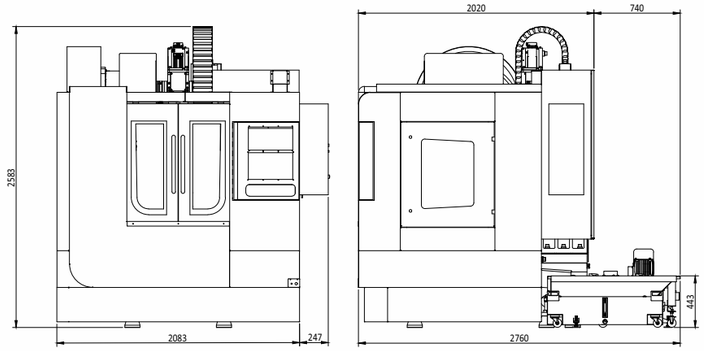
A wide choice pf spindle and surface-sensing probes as tool & job probes with infrared / radio laser transmission technology are available for increased spindle utilization, work piece setup and work piece measurement.

ECO 500

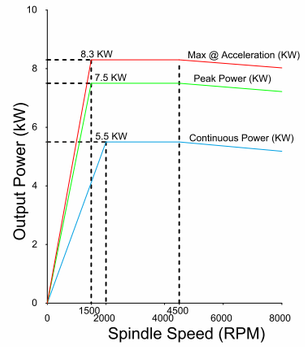
Table Size	mm	450x650
Axis Stroke (X / Y / Z)	mm	520 / 475 / 475
Load Capacity	Kg	300
Spindle	-	BT 40
Spindle Power (Fanuc)	kW	5.5 / 7.5
Weight (Approx)	Kg	3500
Dimensions (Approx) (WxDxH)	mm	2330x2760x2583

Components

Machine Dimensions



Machining Range & Power Diagram

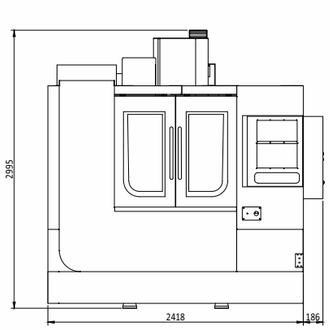


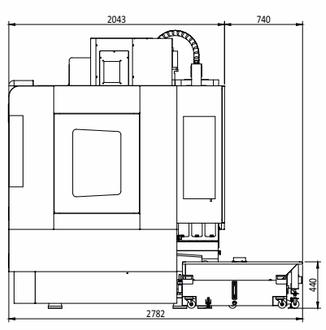
ECO 800

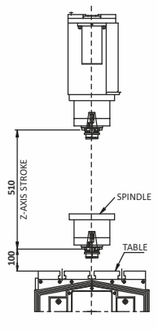
Table Size	mm	500x1050
Axis Stroke (X / Y / Z)	mm	820 / 510 / 510
Load Capacity	Kg	500
Spindle		BT 40
Spindle Power (Fanuc)	kW	7.5 / 11
Weight (Approx)	Kg	4900
Dimensions (Approx) (WxDxH)	mm	2604x2782x2995

Components

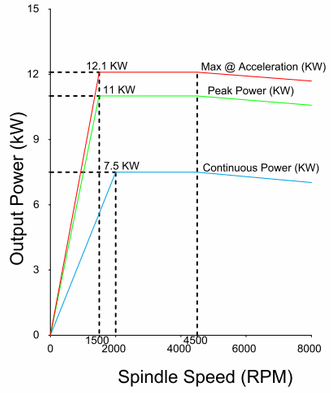
Machine Dimensions







Machining Range & Power Diagram



V 544

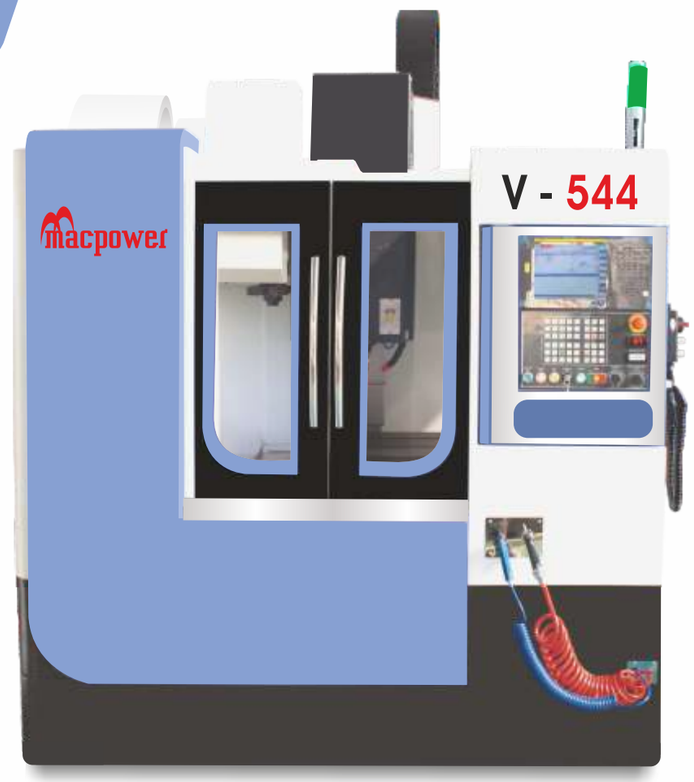
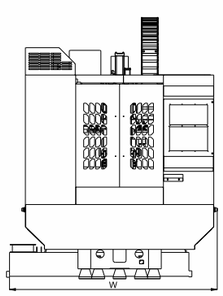
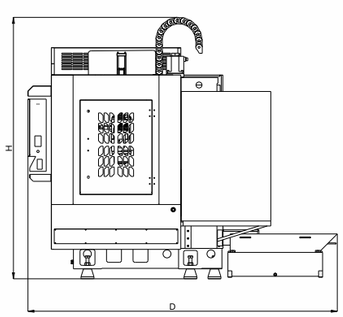


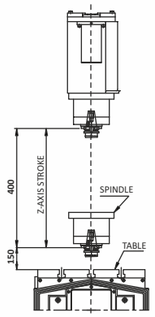
Table Size	mm	400x700
Axis Stroke (X / Y / Z)	mm	510 / 400 / 400
Load Capacity	Kg	300
Spindle		BT 40
Spindle Power (Fanuc)	kW	5.5 / 7.5
Weight (Approx)	Kg	4500
Dimensions (Approx) (WxDxH)	mm	1900x3200x2660

Components

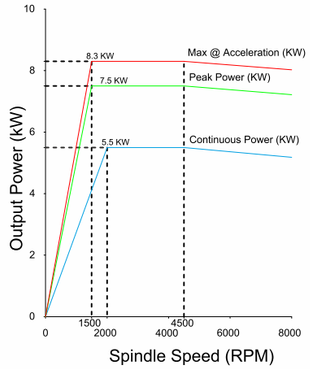
Machine Dimensions







Machining Range & Power Diagram



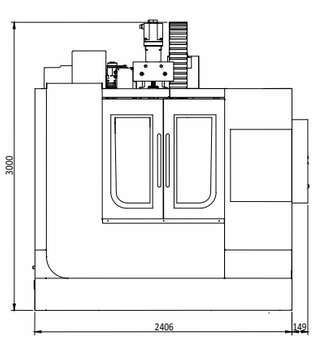
V 645

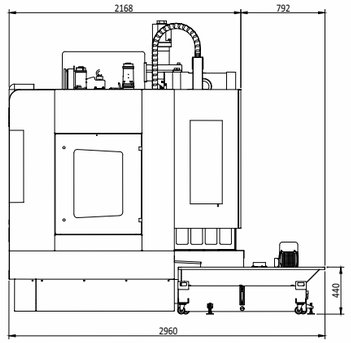
Table Size	mm	450x900
Axis Stroke (X / Y / Z)	mm	610 / 450 / 500
Load Capacity	Kg	400
Spindle		BT 40
Spindle Power (Fanuc)	kW	5.5 / 7.5
Weight (Approx)	Kg	5000
Dimensions (Approx) (WxDxH)	mm	2555x2960x3000

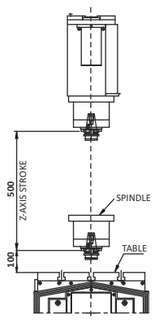
Components



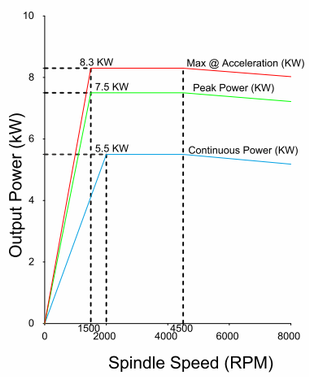

Machine Dimensions







Machining Range & Power Diagram



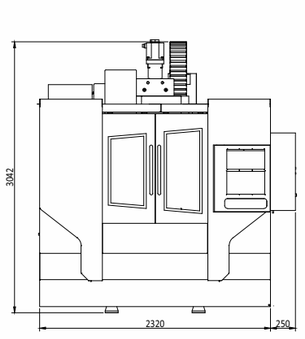
V 855

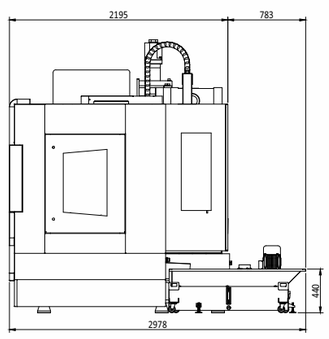
Table Size	mm	500x1050
Axis Stroke (X / Y / Z)	mm	850 / 510 / 510
Load Capacity	Kg	800
Spindle		BT 40
Spindle Power (Fanuc)	kW	7.5 / 11
LM & Ball Screw	mm	35 / 32
Weight (Approx)	Kg	5000
Dimensions (Approx) (WxDxH)	mm	2570x2978x3042

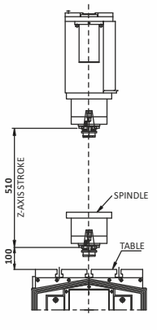
Components



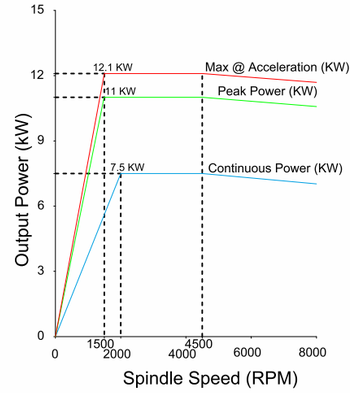

Machine Dimensions







Machining Range & Power Diagram



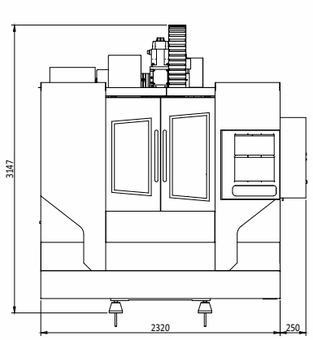
V 855 Super

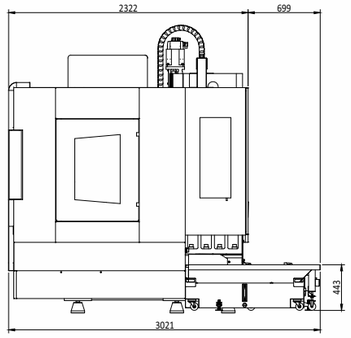
Table Size	mm	500x1050
Axis Stroke (X / Y / Z)	mm	850 / 510 / 510
Load Capacity	Kg	800
Spindle		BT 40
Spindle Power (Fanuc)	kW	7.5 / 11
LM & Ball Screw	mm	45 / 40
Weight (Approx)	Kg	5500
Dimensions (Approx) (WxDxH)	mm	2570x3021x3147

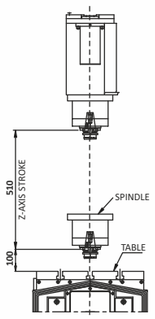
Components



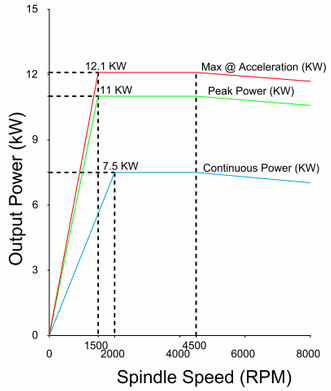

Machine Dimensions







Machining Range & Power Diagram



V 1055

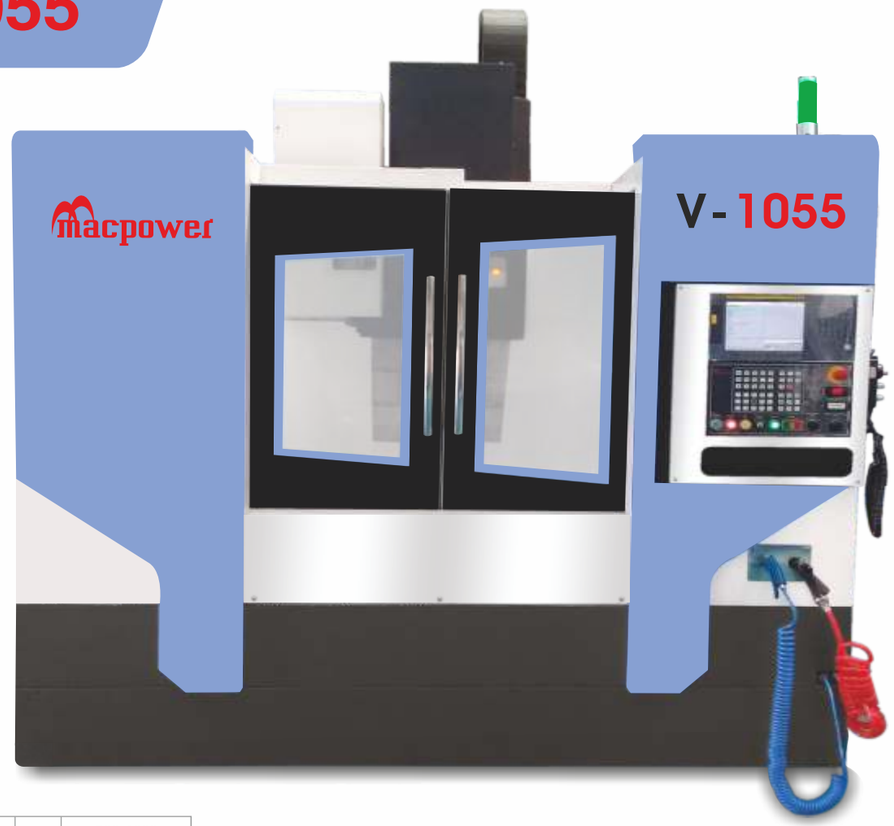
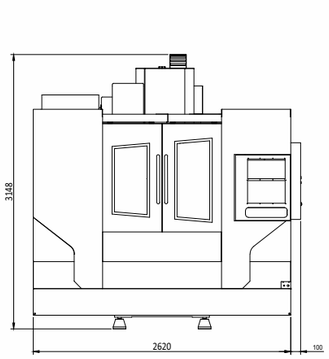


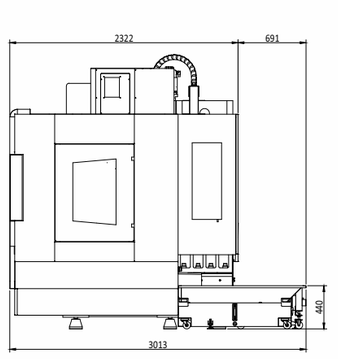
Table Size	mm	500x1200
Axis Stroke (X / Y / Z)	mm	1010 / 510 / 510
Load Capacity	Kg	1000
Spindle		BT 40
Spindle Power (Fanuc)	kW	7.5 / 11
Weight (Approx)	Kg	6200
Dimensions (Approx) (WxDxH)	mm	2720x3013x3148

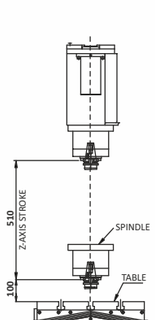
Components



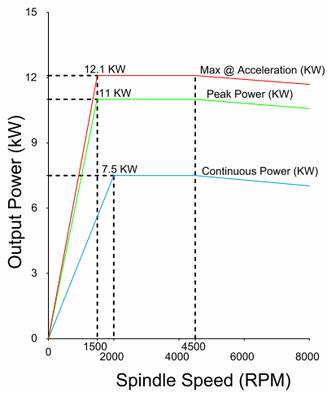

Machine Dimensions







Machining Range & Power Diagram

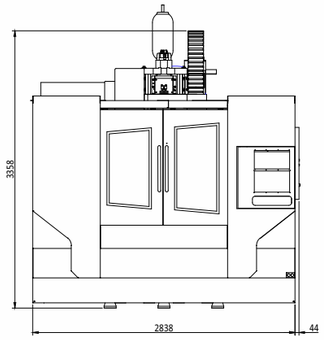


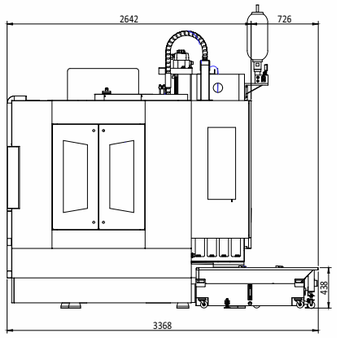
V 1066 / V 1066 SUPER

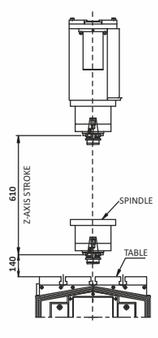
		New V 1066	V 1066 SUPER
Table Size	mm	600x1120	600x1120
Axis Stroke (X / Y / Z)	mm	1020 / 610 / 610	1020 / 610 / 610
Load Capacity	Kg	1000	1200
Spindle		BT 40	BT 40 / BT 50
Spindle Power (Fanuc)	kW	11 / 15	11 / 15
Weight (Approx)	Kg	6800	8000/8500
LM Guideways	Nos	2	4
Dimensions (Approx) (WxDxH)	mm	2882x3368x3358	2882x3368x3358

Components

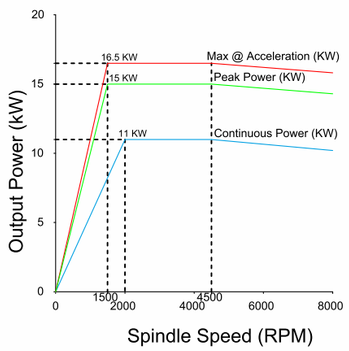
Machine Dimensions







Machining Range & Power Diagram



V 1366

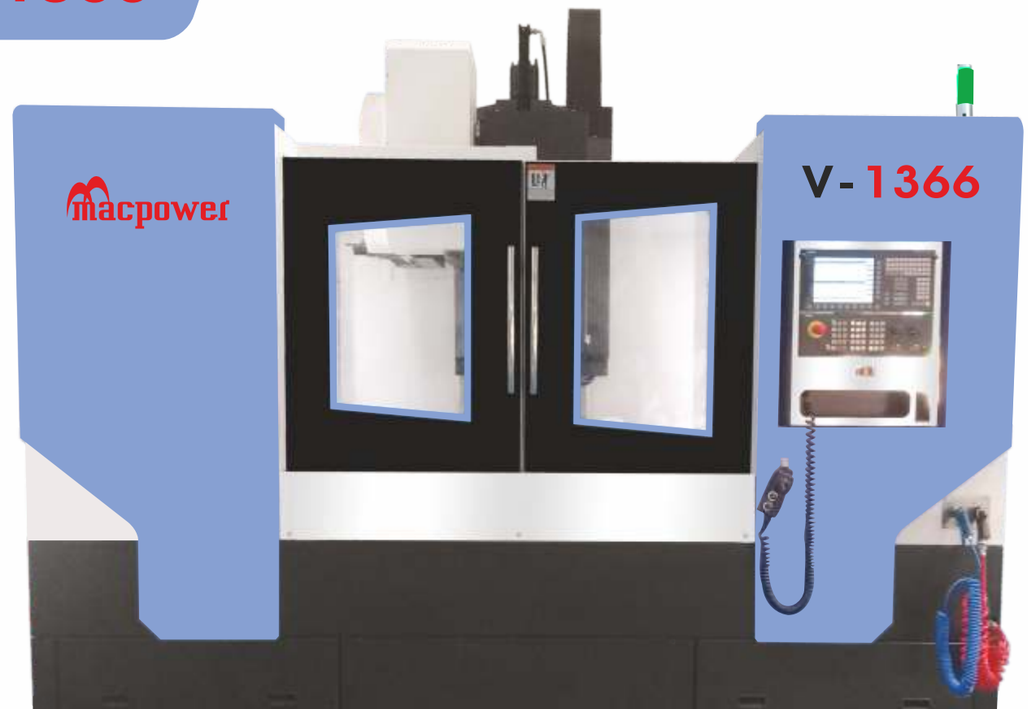
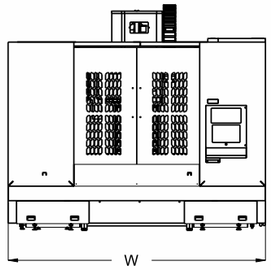
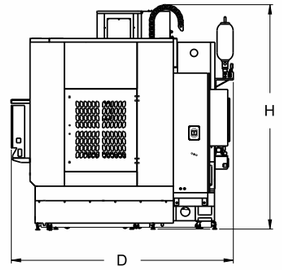


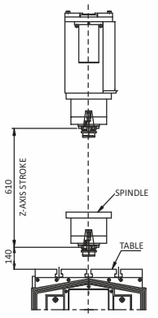
Table Size	mm	630x1400
Axis Stroke (X / Y / Z)	mm	1310x610x610
Load Capacity	Kg	1500
Spindle		BT 40 / BT 50
Spindle Power (Fanuc)	kW	11 / 15
Weight (Approx)	Kg	8900/9400
Dimensions (Approx) (WxDxH)	mm	3550x3050x3000

Components

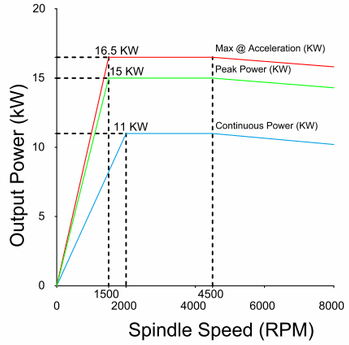
Machine Dimensions







Machining Range & Power Diagram

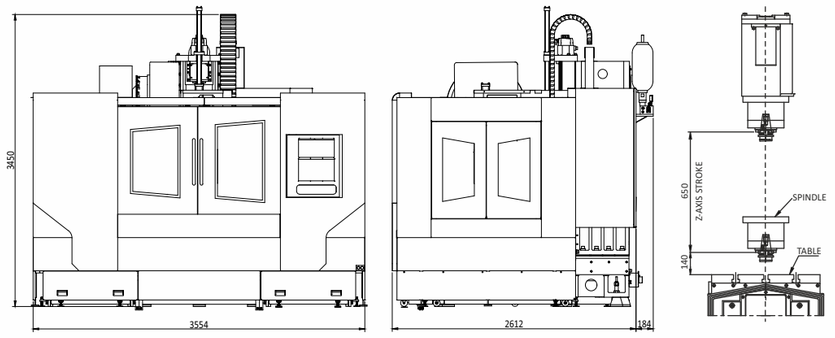


V 1376

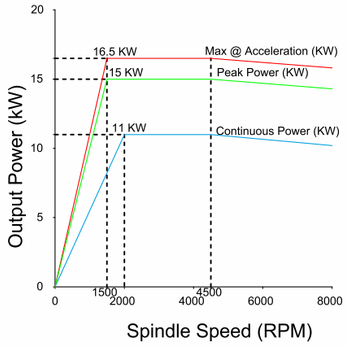
Table Size	mm	1450x700
Axis Stroke (X / Y / Z)	mm	1310x710x650
Load Capacity	Kg	1500
Spindle		BT 40 / BT 50
Spindle Power (Fanuc)	kW	11 / 15
Weight (Approx)	Kg	10000/10500
Dimensions (Approx) (WxDxH)	mm	3554x2796x3450

Components

Machine Dimensions



Machining Range & Power Diagram

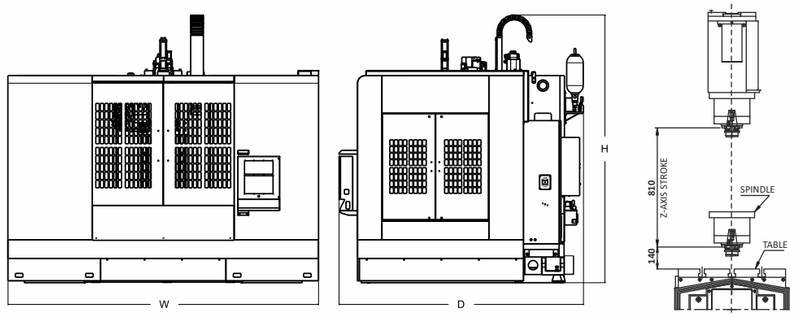


V 1588

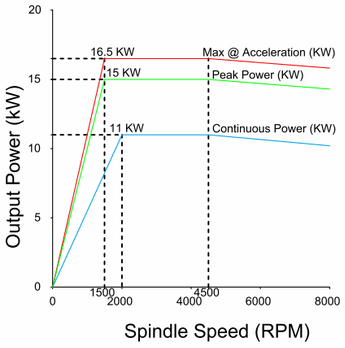
Table Size	mm	800x1700
Axis Stroke (X / Y / Z)	mm	1510x810x810
Load Capacity	Kg	2000
Spindle		BT 40 / BT 50
Spindle Power (Fanuc)	kW	11 / 15
Weight (Approx)	Kg	11500/12000
Dimensions (Approx) (WxDxH)	mm	4200x3300x3300

Components

Machine Dimensions



Machining Range & Power Diagram



V 1888

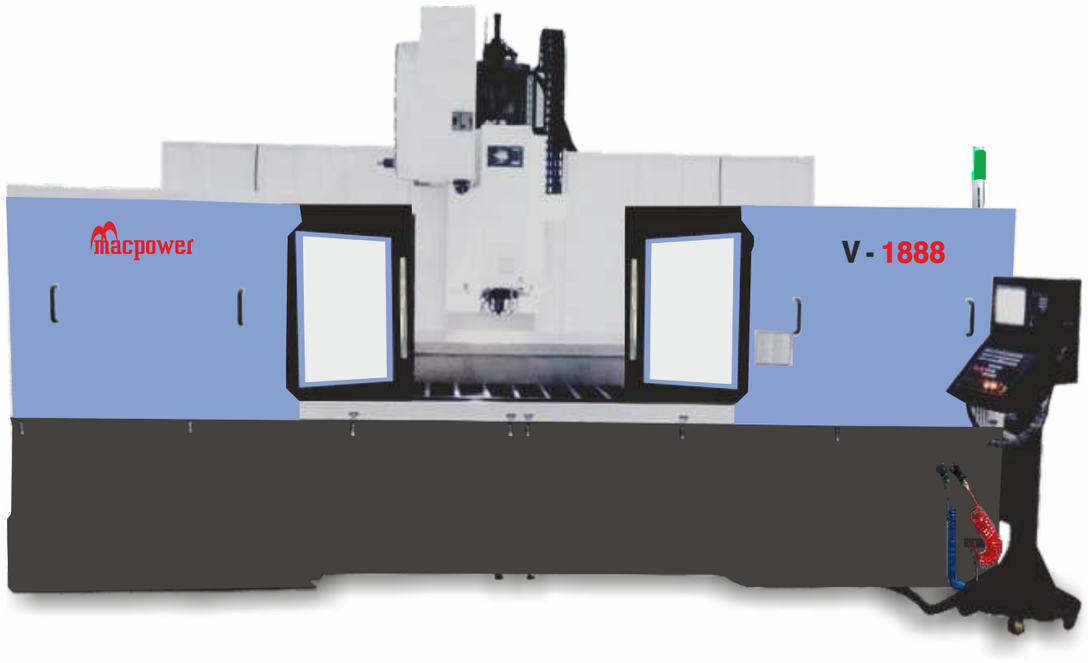
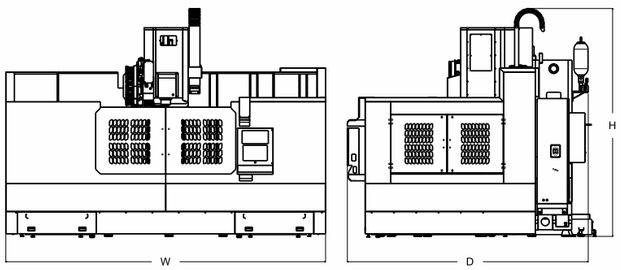
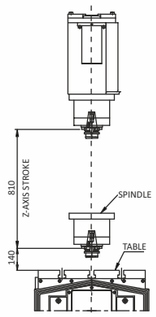


Table Size	mm	800x2000
Axis Stroke (X / Y / Z)	mm	1810x810x810
Load Capacity	Kg	2200
Spindle		BT 40 / BT 50
Spindle Power (Fanuc)	kW	11 / 15
Weight (Approx)	Kg	13500/14000
Dimensions (Approx) (WxDxH)	mm	4826x3454x3429

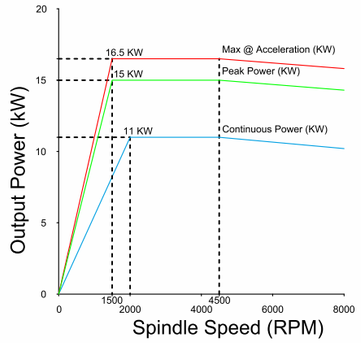
Components

Machine Dimensions





Machining Range & Power Diagram



V 2199

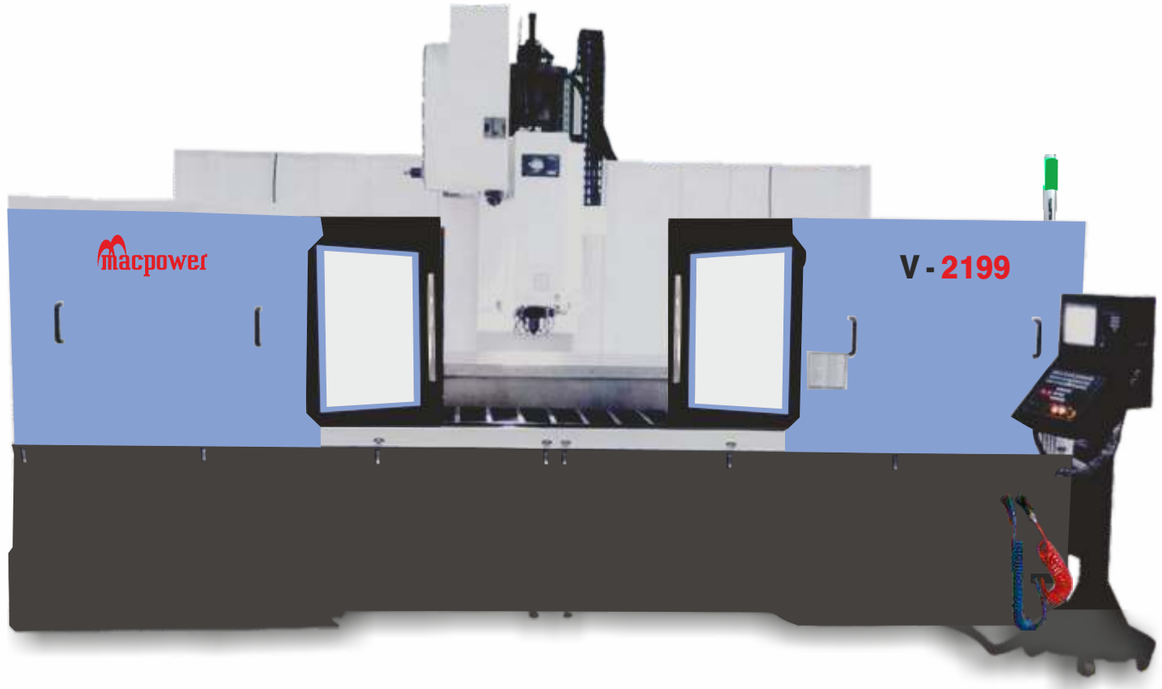
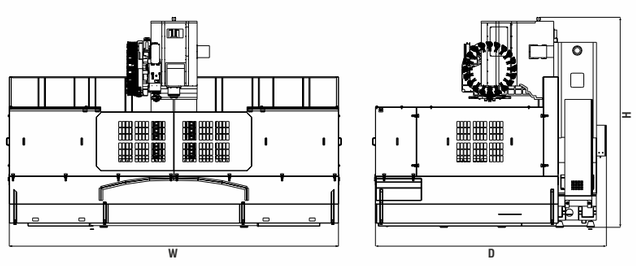
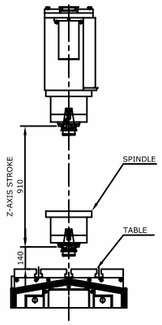


Table Size	mm	900x2400
Axis Stroke (X / Y / Z)	mm	2100x910x910
Load Capacity	Kg	2800
Spindle		BT 40 / BT 50
Spindle Power (Fanuc)	kW	11 / 15
Weight (Approx)	Kg	15000/16000
Dimensions (Approx) (WxDxH)	mm	5326x3750x3525

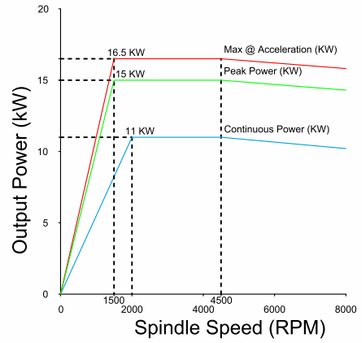
Components

Machine Dimensions





Machining Range & Power Diagram



VMC Series
Machine Configurations

DESCRIPTION	UNIT	ECO 500	ECO 800	V 544	V 645
CAPACITY					
X Axis Travel	mm	520	820	510	610
Y Axis Travel	mm	475	510	400	450
Z Axis Travel	mm	475	510	400	500
Rapid Feed Rates X/Y/Z Axis	m/min	24/24/24	24/24/24	24/24/24	24/24/24
Distance from Table to Spindle Face	mm	140-615	100-610	150-550	100-600
TABLE					
Table Size (Clamping Area)	mm	450 x 650	500 x 1050	400 x 700	450 x 900
No./Width/CD of T-slots	mm	3/14/125	4/14/100	3/14/125	3/18/125
Max. safe load on Table	Kg	300	500	300	400
MAIN SPINDLE					
Taper	---	BT-40	BT-40	BT-40	BT-40
Speed	rpm	80-8000	80-8000	80-8000	80-8000
Cutting Feed Rate	mm/min	1-10000	1-10000	1-10000	1-10000
Rated Power (Fanuc)	kW	5.5/7.5	7.5/11	5.5/7.5	5.5/7.5
AUTO TOOL CHANGER					
Type	---	Twin Arm	Twin Arm	Twin Arm	Twin Arm
No. of Tools	---	20	20	20	20
Tool Selection	---	Random	Random	Random	Random
Max. Tool Dia. (Pocket full/empty)	mm	80/125	80/125	80/125	80/125
Tool Length	mm	250	250	250	250
Tool Weight	Kg	7	7	7	7
ACCURACY (As Per JIS)					
Positioning	mm	0.01	0.01	0.01	0.01
Repeatability	mm	0.007	0.007	0.007	0.007
INSTALLATION DATA					
Pneumatic Supply	bar	6	6	6	6
Machine Weight (Approx)	Kg	3500	4900	4500	5000
Total Connected Load	KVA	20	20	20	20
Power Supply	---	AC 440 V, 50HZ, 3 Ph.	AC 440 V, 50HZ, 3 Ph.	AC 440 V, 50HZ, 3 Ph.	AC 440 V, 50HZ, 3 Ph.
Machine Dimensions (WxDxH) (Approx)	mm	2330x2760x2583	2604x2782x2995	1900x3200x2660	2555x2960x3000
SYSTEM					
Fanuc	---	0i MF	0i MF	0i MF	0i MF
Siemens	---	828D	828D	828D	828D
Mitsubishi	---	M 80	M 80	M 80	M 80

VMC Series
Machine Configurations

DESCRIPTION	UNIT	V855/V855 Super	V 1055	V 1066	V 1066 Super	V 1366
CAPACITY						
X Axis Travel	mm	850	1010	1020	1020	1310
Y Axis Travel	mm	510	510	610	610	610
Z Axis Travel	mm	510	510	610	610	610
Rapid Feed Rates X/Y/Z Axis	m/min	24/24/24-30/30/30	30/30/30	24/24/24	24/24/24	24/24/24
Distance from Table to Spindle Face	mm	100-610	100-610	140-750	140-750	140-750
TABLE						
Table Size (Clamping Area)	mm	500 x 1050	500 x 1200	600 x 1120	600 x 1120	630 x 1400
No./Width/CD of T-slots	mm	4/18/100	4/18/100	5/18/100	5/18/100	5/18/125
Max. safe load on Table	Kg	800	1000	1000/1200	1000/1200	1500
MAIN SPINDLE						
Taper	—	BT-40	BT-40	BT-40/BT-50	BT-40/BT-50	BT-40/BT-50
Speed	rpm	80-8000	80-8000	80-8000/60-6000	80-8000/60-6000	80-8000/60-6000
Cutting Feed Rate	mm/min	1-10000	1-10000	1-10000	1-10000	1-10000
Rated Power (Fanuc)	kW	7.5/11	7.5/11	11/15	11/15	11/15
AUTO TOOL CHANGER						
Type	—	Twin Arm	Twin Arm	Twin Arm	Twin Arm	Twin Arm
No. of Tools	—	20	20	20	20	20
Tool Selection	—	Random	Random	Random	Random	Random
Max. Tool Dia. (Pocket full/empty)	mm	80/125	80/125	80/125-130/200	80/125-130/200	80/125-130/200
Tool Length	mm	250	250	250/400	250/400	250/400
Tool Weight	Kg	7	7	7/20	7/20	7/20
ACCURACY (As Per JIS)						
Positioning	mm	0.01	0.01	0.01	0.01	0.01
Repeatability	mm	0.007	0.007	0.007	0.007	0.007
INSTALLATION DATA						
Pneumatic Supply	bar	6	6	6	6	6
Machine Weight (Approx)	Kg	5000/5500	6200	6800/7300	8000/8500	8900/9400
Total Connected Load	KVA	20	20	20	20	25
Power Supply	—	AC 440 V, 50HZ, 3 Ph.	AC 440 V, 50HZ, 3 Ph.	AC 440 V, 50HZ, 3 Ph.	AC 440 V, 50HZ, 3 Ph.	AC 440 V, 50HZ, 3 Ph.
Machine Dimensions (WxDxH) (Approx)	mm	2570x3021x3147	2720x3013x3148	2882x3368x3358	2882x3368x3358	3550x3050x3000
SYSTEM						
Fanuc	—	0i MF	0i MF	0i MF	0i MF	0i MF
Siemens	—	828D	828D	828D	828D	828D
Mitsubishi	—	M 80	M 80	M 80	M 80	M 80

VMC Series
Machine Configurations

DESCRIPTION	UNIT	V 1376	V 1588	V 1888	V 2199
CAPACITY					
X Axis Travel	mm	1310	1510	1810	2100
Y Axis Travel	mm	710	810	810	910
Z Axis Travel	mm	650	810	810	910
Rapid Feed Rates X/Y/Z Axis	m/min	24/24/24	20/20/20	20/20/20	15/15/15
Distance from Table to Spindle Face	mm	140-790	140-950	140-950	140 - 1050
TABLE					
Table Size (Clamping Area)	mm	1450 x 700	800 x 1700	800 x 2000	900 x 2400
No./Width/CD of T-slots	mm	6/18/125	6/18/125	6/18/125	5 / 18 / 150
Max. safe load on Table	Kg	1500	2000	2200	2800
MAIN SPINDLE					
Taper	---	BT-40/BT-50	BT-40/BT-50	BT-40/BT-50	BT-40 / BT-50
Speed	rpm	80-8000/60-6000	80-8000/60-6000	80-8000/60-6000	80-8000/60-6000
Cutting Feed Rate	mm/min	1-10000	1-10000	1-10000	1-10000
Rated Power (Fanuc)	kW	11/15	11/15	11/15	11/15
AUTO TOOL CHANGER					
Type	---	Twin Arm	Twin Arm	Twin Arm	Twin Arm
No. of Tools	---	20	20	20	20
Tool Selection	---	Random	Random	Random	Random
Max. Tool Dia. (Pocket full/empty)	mm	80/125-130/200	80/125-130/200	80/125-130/200	80/125-130/250
Tool Length	mm	250/400	250/400	250/400	200
Tool Weight	Kg	7/20	7/20	7/20	7/20
ACCURACY (As Per JIS)					
Positioning	mm	0.01	0.01	0.01	0.010
Repeatability	mm	0.007	0.007	0.007	0.007
INSTALLATION DATA					
Pneumatic Supply	bar	6	6	6	6
Machine Weight (Approx)	Kg	10000/10500	11500/12000	13500/14000	15000/16000
Total Connected Load	KVA	25	30	35	40
Power Supply	---	AC 440 V, 50HZ, 3 Ph.	AC 440 V, 50HZ, 3 Ph.	AC 440 V, 50HZ, 3 Ph.	AC 440 V, 50HZ, 3 Ph.
Machine Dimensions (WxDxH) (Approx)	mm	3554x2796x3450	4200x3300x3300	4826x3454x3429	5326x3750x3525
SYSTEM					
Fanuc	---	0i MF	0i MF	0i MF	0i MF
Siemens	---	828D	828D	828D	828D
Mitsubishi	---	M 80	M 80	M 80	M 80

Accessories

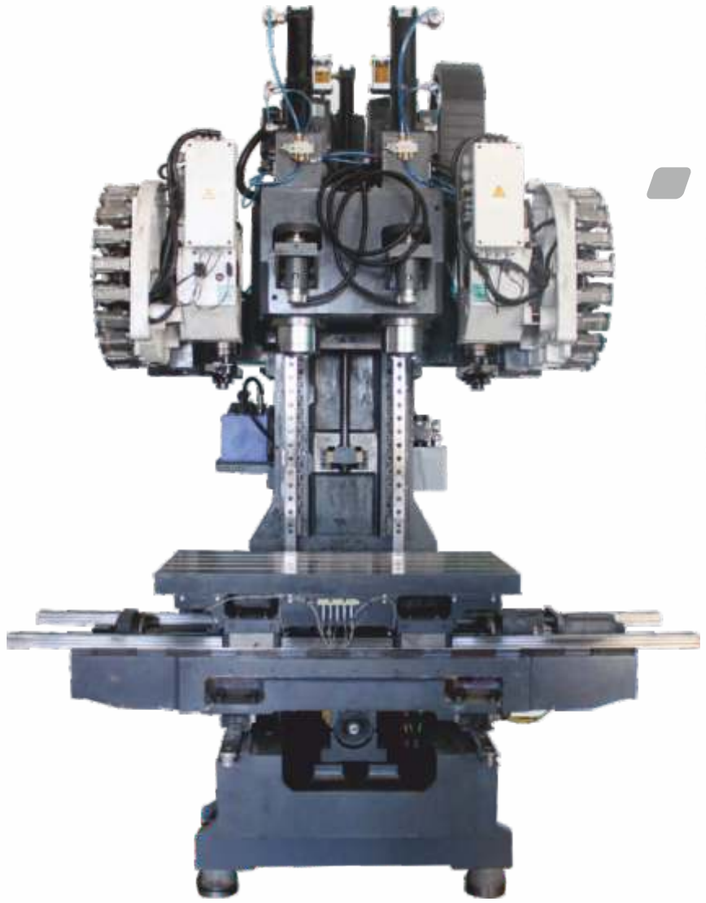
STANDARD

- 20 Tool ATC
- Work Light
- Hand Wheel
- Leveling Pad
- Ring Coolant
- Patrol Light
- Air Gun
- Centralized Lubrication System
- Pull Stud

OPTIONAL

- Coolant Gun
- Auto Door
- Chip Conveyor
- Linear Scale
- Stabilizer
- Auto Pallet Changer
- Flush Coolant
- Coolant through spindle
- 24 Tool ATC
- Rotary Table
- Gear Box
- Higher RPM Spindles
- Spindle chiller
- Rotary Tilting
- Indexer
- Dry Air
- Tool Probe
- Work Probe
- Tooled Up Solutions

V 855 Twin Head



Rigid Structure

Sturdiness of the foundation determined the soundness of the structure. The major construction parts are based on FG260 grade cast iron, to ensure optimum harmonic stability and maximum damping during cutting. Base and column are reinforced with heavy ribs for stability and least distortion. The uniform dense, fine graded casting distributed stress and heat throughout the machine structure.

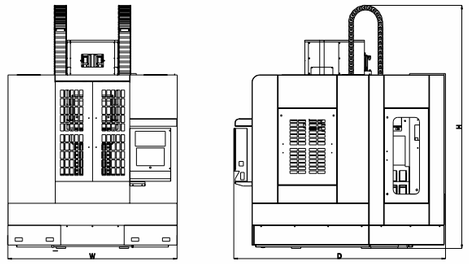
Advantage

- Double the productivity, By two side by side spindles
- Machining two similar work pieces at once.
- Reduction in cycle time (Around 50 % reduction)
- Reduction in the man power requirement
- Less floor space requirement compare to single spindle machine
- Energy efficient

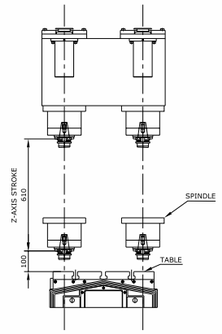
Table Size	mm	500x1050
Axis Stroke (X / Y / Z)	mm	850 / 510 / 510
Load Capacity	Kg	800
Spindle		BT 40
Spindle Power (Fanuc)	kW	7.5 / 11
Weight (Approx)	Kg	6000
Dimensions (Approx) (WxDxH)	mm	2400x3000x3100

Components

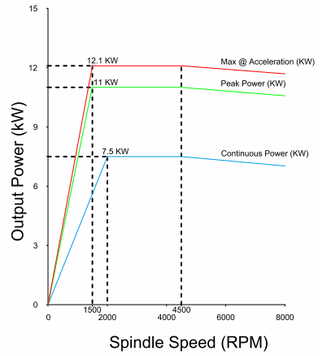
Tool Interference Diagram



Machining Range



Power Diagram



Specifications

DESCRIPTION	UNIT	V 855 TWIN HEAD
CAPACITY		
X Axis Travel	mm	850
Y Axis Travel	mm	510
Z Axis Travel	mm	510
Rapid Feed Rates X/Y/Z Axis	m/min	30 / 30 / 30
Distance from Table to Spindle Face	mm	100 - 610
Distance between two Spindles	mm	350
TABLE		
Table Size	mm	500 x 1050
No./Width/CD of T-slots	mm	4 / 18 / 100
Max. safe load on Table	Kg	800
MAIN SPINDLE		
Taper	---	BT-40
Speed	rpm	60 - 8000
Cutting Feed Rate	mm/min	1 - 10000
Rated Power (Fanuc)	kW	7.5/11
AUTO TOOL CHANGER		
Type	---	Twin Arm
No. of Tools	---	20
Tool Selection	---	Random
Max. Tool Dia. (Pocket full/empty)	mm	80 / 125
Tool Length	mm	200
Tool Weight	Kg	7
ACCURACY (As Per JIS)		
Positioning	mm	0.010
Repeatability	mm	0.007
INSTALLATION DATA		
Weight (Approx)	Kg	6000
Dimensions (WxDxH) (Approx)	mm	2400 x 3000 x 3100
SYSTEM		
Fanuc	---	0i MF
Siemens	---	828D
Mitsubishi	---	M 80

Accessories

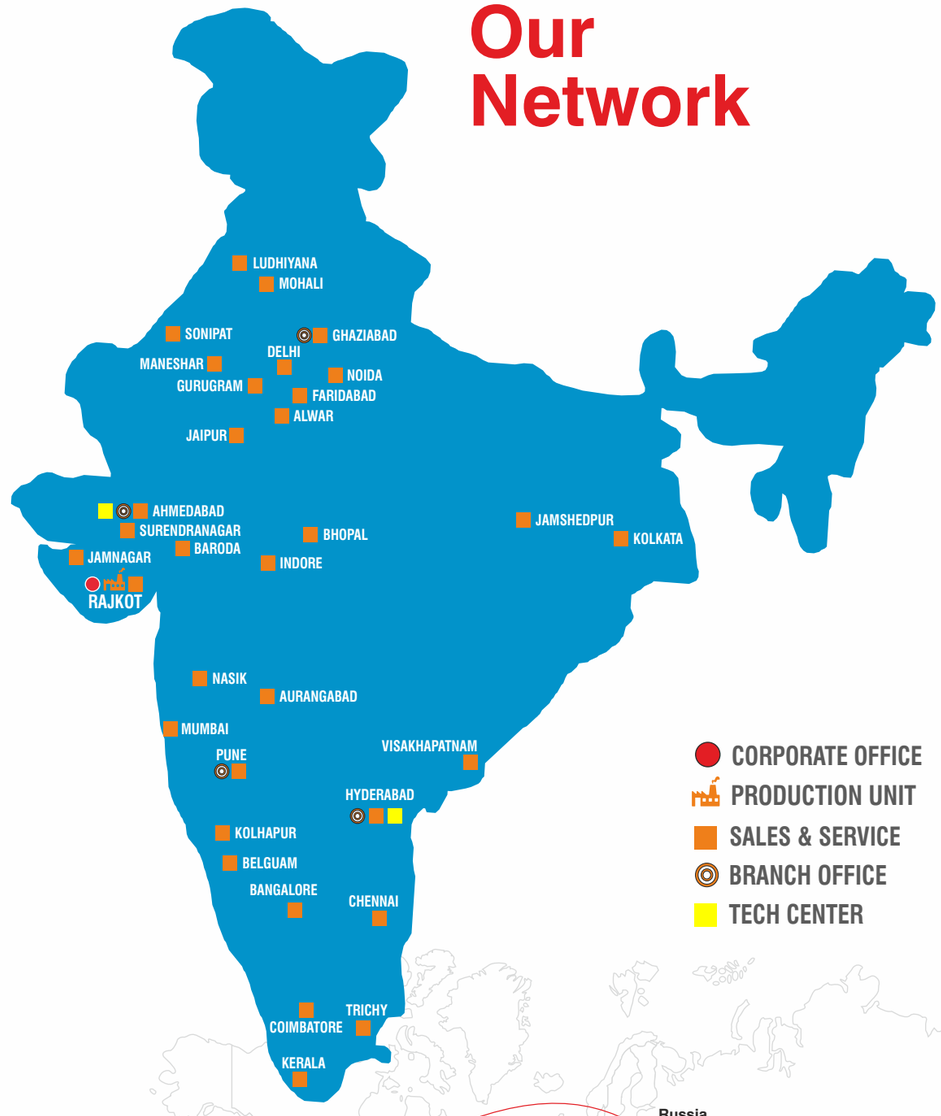
STANDARD

- 20 Tool ATC
- Work Light
- Hand Wheel
- Leveling Pad
- Ring Coolant
- Patrol Light
- Air Gun
- Centralized Lubrication System
- Pull Stud

OPTIONAL

- Coolant Gun
- Auto Door
- Chiller Unit
- Chip Conveyor
- Linear Scale
- Stabilizer
- Auto Pallet Changer
- Flush Coolant
- Coolant through spindle
- 24 Tool ATC
- Rotary Table
- Gear Box
- Higher RPM Spindles
- Spindle chiller
- Rotary Tilting Table
- Indexer
- Dry Air
- Tool Probe
- Work Probe
- Tooled Up Solutions

Our Network



Our Presence