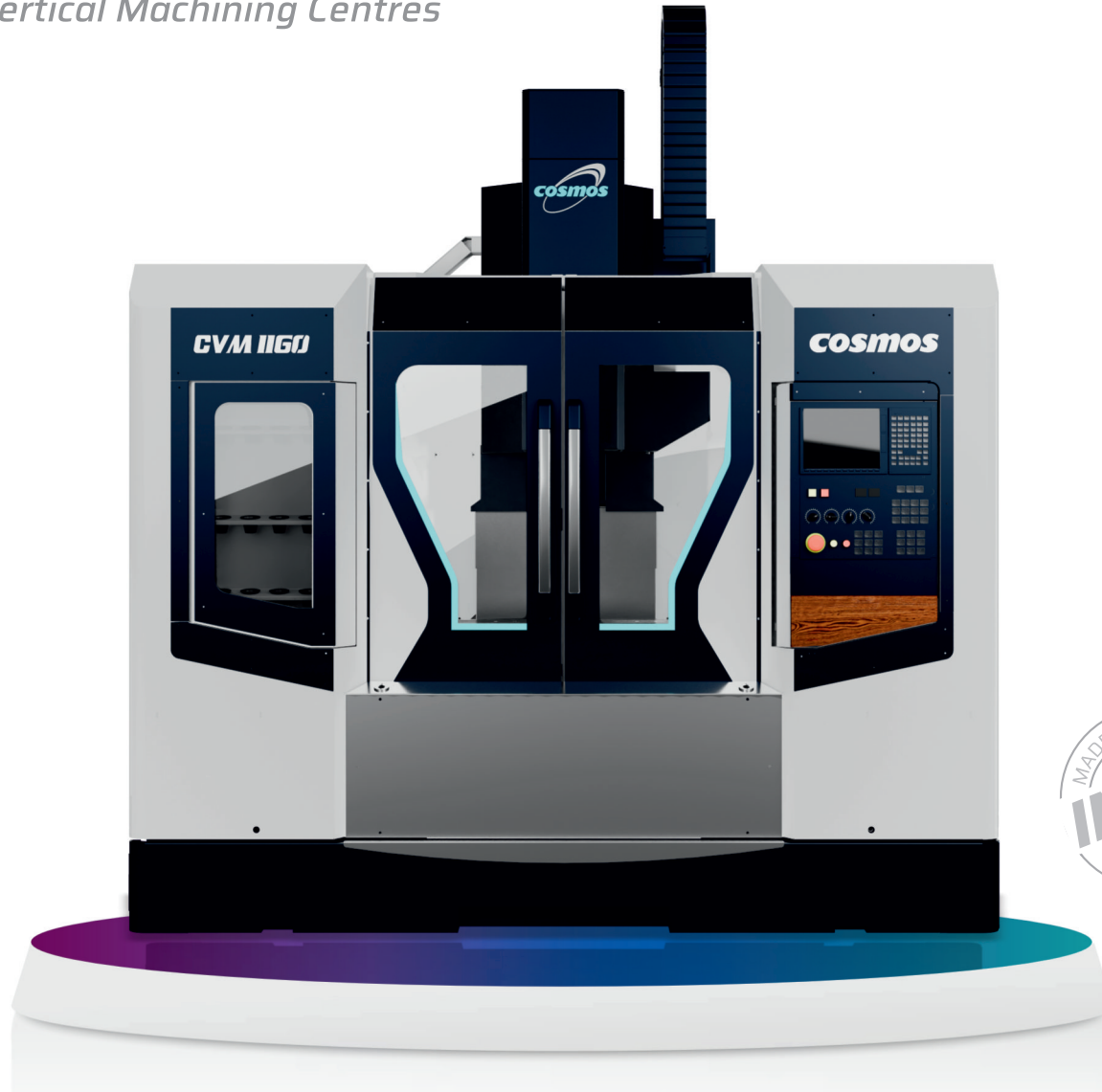


CVMSeries

High Performance Vertical Machining Centres



CVM 700G | CVM 700 | CVM 800 | CVM 1050 | CVM 1160 | CVM 1365 | CVM 1370 | CVM 1570 | CVM 1680

Crafting Machines of **Tomorrow**

Bringing precision and innovation to the forefront of industrial manufacturing, Cosmos has been a pioneer in the machine tool industry since 1987. Providing versatile and high-performance solutions, including vertical machining centres, drill tap centres, surface grinding machines, vertical lathes, and many more, Cosmos provides Indian and global industries with the latest technological advancements.

At Cosmos, growth is driven by more than just innovation; it's guided by a deeper purpose - bringing joy and meaning to people's lives. Every machine we create reflects this philosophy, blending precision with heart to ensure progress isn't just about staying ahead but about sparking happiness along the way. For us, every advancement is a step toward a future where innovation and fulfilment go hand in hand.



**India's Largest
Exporter of Vertical
Machining Centres**



**Leading Business
Enterprise of
Tomorrow**



**Best Metal
Cutting Brand of
2024-25**

Industries We Serve



Die & Mould



Aerospace



Medical Implants & Equipments



Automotive Industry



Pumps & Valves



Steel & Energy



Electronics & Semiconductors



Oil & Gas Industry

Core Values

At Cosmos, our guiding principles are not just statements, they are promises. They define our aspirations, guide our path, and reflect our commitment to excellence. By aligning with these, we strive to make a positive and lasting impact.

At Cosmos, our values are the core of who we are.

SINCERITY

Drives our relationships, building trust with every interaction.

DISCIPLINE

Ensures precision and excellence in all we do.

INTEGRITY

Forms the backbone of our identity, as we stand by our commitments.

ETHICAL PRACTICES

Underpin every decision, reflecting our moral compass.

HARMONY

Guides our teamwork, fostering collaboration across boundaries and providing best customer experience.

SUSTAINABILITY

Fuels our responsibility towards future generations.

About **CVM Series**

The CVM series reflects our unwavering commitment to excellence, combining durability with optimised functionality. It's a sincere effort to surpass global quality standards while ensuring affordability.

In the world of machining, the CVM series embodies our core principle: Enhancing Productivity. These machines are designed with heartfelt consideration for the end-users, putting their needs and satisfaction at the forefront.

Step into a world of precision and innovation with the CVM Series vertical machining centre. Our cutting-edge machine offers a range of exceptional features that not only elevate your machining capabilities but also enhance your entire experience.

Unity Structure and Robust Casting - *Our machine is built to last, ensuring not only high cutting performance but also a flawless finish. You can trust it to handle the toughest tasks with ease.*

Global Standard Spindles - *We use one of the best-in-class machine spindles built by leading Spindle Manufacturers for excellent service life and low runouts to give consistent performance under varied load condition.*

Customised Control for Enhanced Cutting Performance with Zenez Inside - *To improve machine performance Cosmos developed over the years a customised Zenez UI which helps in getting the most optimum cutting performance for all versatile applications. The improved user interface not only simplifies the operator experience but also improves continuous machine response during cutting while working in the background.*

Ergonomically Designed for Fatigue-free Operator Experience - *Our design is operator-centric considering the safety and health of the machine operator, making it easy to work on the machine for long hours.*





Engineered for Strength

Unity Structure and Robust Casting

We've extended the life of our machines through a simple yet effective approach: reducing the number of subassemblies. This means that we've integrated crucial components like the bearing housing mounting bracket, motor mounting brackets, and nut housing directly into the main casting. This not only enhances the machine's durability but also simplifies maintenance for a more reliable and hassle-free experience.

Integrated Motor And Bearing Mounts*

Enhanced Axis Alignment:

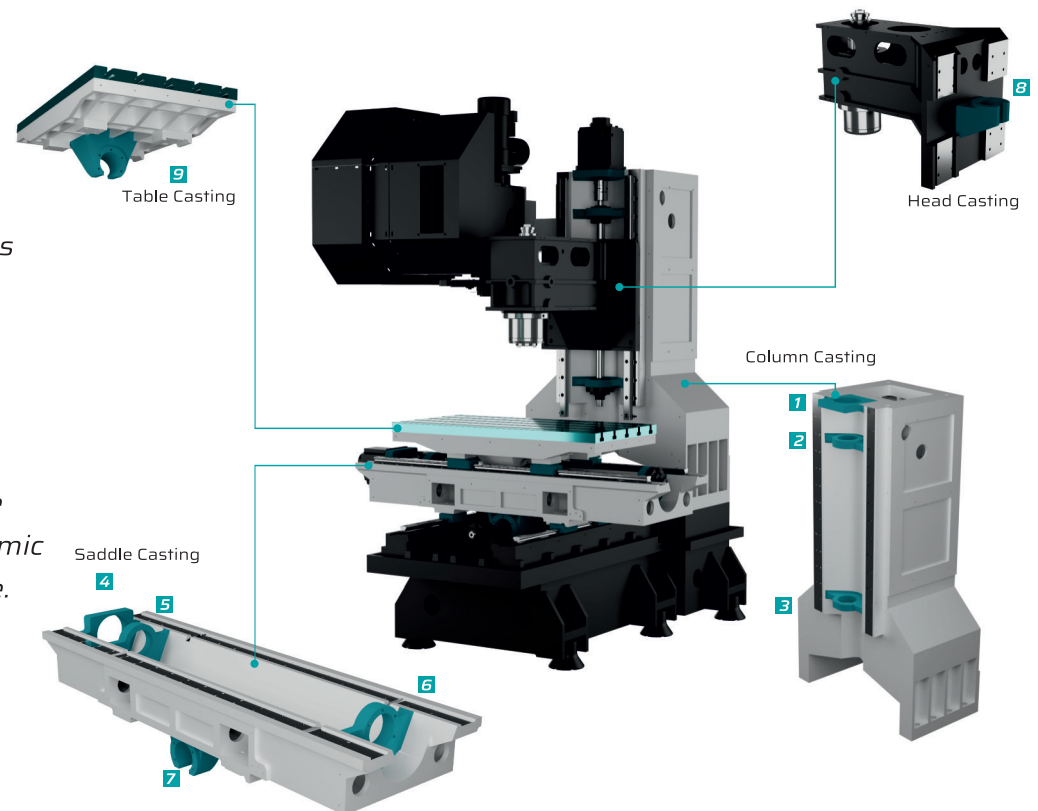
We've perfected the alignment of the axis drive motor and ball screw, ensuring smoother and more precise operation.

Exceptional Parallelism:

Achieving precise parallelism of the ballscrew with LM guideways ensures optimal machining precision, while integrated mounts double as strengthening ribs for added durability and stability - delivering a superior machining experience.

Integrated Ballnut Housing**

Our innovative design integrates ballscrew-nut housings into the machine's casting, forming a sturdy unit that enhances the dynamic stiffness of key components like the table, headstock, and saddle. This improves precision, stability, durability, and reliability for consistent, high-quality performance.



*Images 1-6 | **Images 7-9

Wide A-shaped Column

The extra-wide base of the column provides superior stability and effectively absorbs cutting forces, preventing any deflection and leading to improved cutting dynamics.

Golden Triangular Frame Design

By ensuring maximum bed width, we optimise kinematics for superior performance. This design also lowers the centre of gravity, enhancing stability during cutting, resulting in a chatter-free surface finish and prolonged tool life.

Extended Headstock Guides

The extended A:B ratio not only allows for larger components on the machine table but also enhances headstock rigidity during rapid high-feed cutting. This rigidity safeguards spindle accuracy by preventing headstock sag, ensuring precision in machining operations.

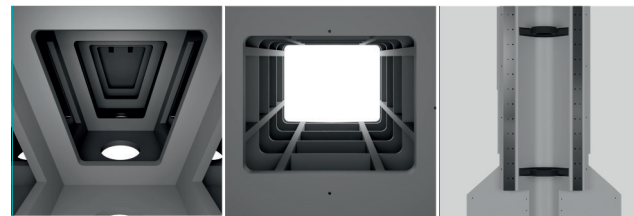
High Quality Imported Spindle

Our cartridge type spindle delivers exceptional performance, minimising runout while providing impressive cutting torque. Every spindle in our lineup undergoes rigorous dynamic balancing and thermal deformation testing, ensuring optimal precision and reliability in every machining operation.

Machining Stability Ensured

Our machines are distinguished by the extraordinary power of our signature ribs, the cornerstone of strength and quality in our construction. These ribs are strategically positioned to fortify our machines, elevating their structural integrity and amplifying overall robustness.

For heavy-duty cutting tasks, our ribs are the secret to success. They stand out in enhancing torsional rigidity, expertly reducing vibrations, and virtually eliminating deformation. The outcome is a level of machining precision and reliability that's second to none - a testament to the enduring quality and unwavering strength of our ribs. Place your trust in the bedrock of excellence; rely on our ribs to deliver.



Base Internal Ribbing

Column Internal Ribbing

Column Casting



Key Features

High Visibility Front Doors

The front doors are constructed using heavy-duty, shatterproof polycarbonate material. The generously sized window provides operators with clear and unobstructed visibility, making it effortless to monitor machining processes.

Secure Tool Storage: Enclosed Cabinet With Adjustable Rack

All CVM machines come equipped with endorsed cabinets featuring racks, providing a safe and organised space to store your valuable tools. The adjustable design ensures flexibility to accommodate tools of various sizes with ease.

Holster For Your Guns

The machines feature scuffless steel panels equipped with holsters for your coolant and air guns. This thoughtful design ensures your guns are securely stored, preventing paint scratches, accidental drops, and messy coolant drips, enhancing both efficiency and workplace safety.

Stainless Steel Protector

Front panels often bear the brunt of scratches and rust from operator handling of tools, tackle, and components. Our solution? Stainless steel protection to eliminate these issues, ensuring lasting durability and a pristine appearance. Say goodbye to scratches and rust concerns.



Brilliantly Illuminated for Optimal Visibility

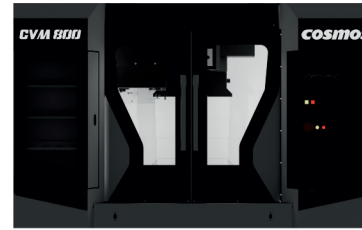
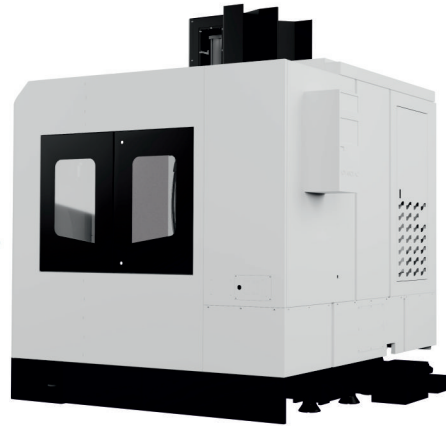
Designed for optimal visibility in low light, CVM machines include a dual work lamp with white LEDs, a three-colour tower lamp, ambient tool cabinet lighting, and an illuminated machine name, ensuring a well-lit workspace for operator ease.

Seamless Access: Spacious Side Doors

Generously sized side doors are designed for easy access to the machine. These doors are strategically positioned below the table height, ensuring convenience during extended use. Work comfortably and efficiently with hassle-free access to your machine. (Except 700)

Versatile 360° Machine Design

Our machines feature a smooth, flush design on all four faces, offering you the freedom to position the machine in any orientation within your factory. Enjoy a sleek appearance from every angle.



Illuminated Design

All our machines are with LED lamps to create a well-lit working environment, ensuring optimal visibility and ease of operation. Built for durability and minimal maintenance.

Easy Access Maintenance

We've improved machine manageability with easy access windows to essential peripherals, streamlining maintenance and ensuring efficient operation.

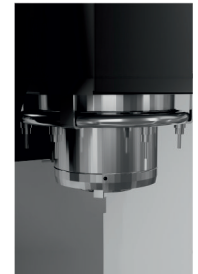


Excellent Chip Disposal

The machines feature steeply slanted telescopic sliding covers that excel in chip disposal performance, keeping your workspace clean and ensuring uninterrupted machining.

Ring Coolant

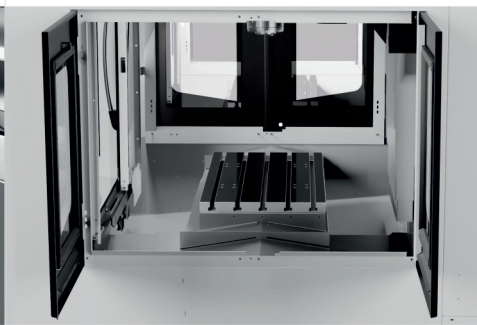
Our ring coolant nozzles, strategically positioned around the spindle, deliver coolant to the cutting area, ensuring performance, efficient heat dissipation, and an optimal machining experience.



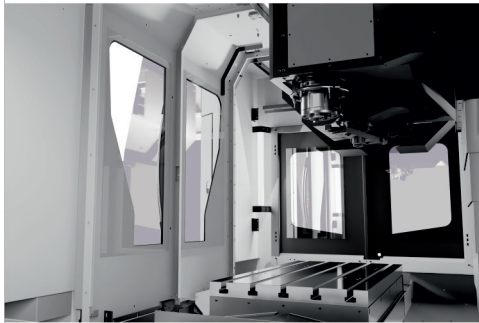
Additional Features



Stainless Steel Sill Protector



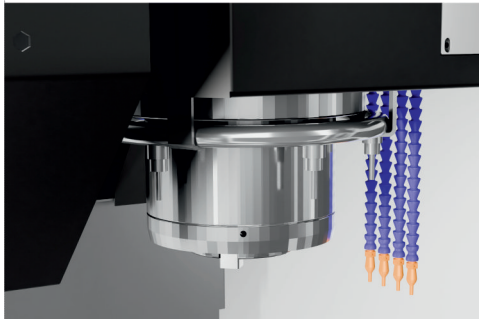
Big Dual Side Windows



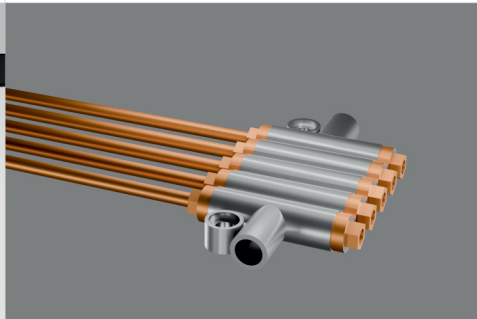
Fully Enclosed Guarding



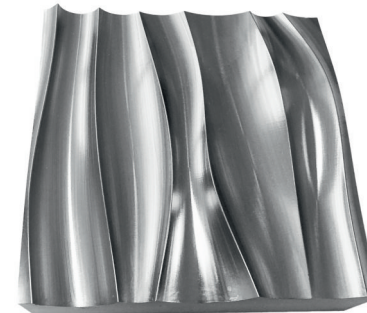
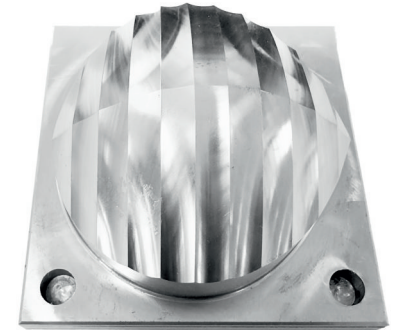
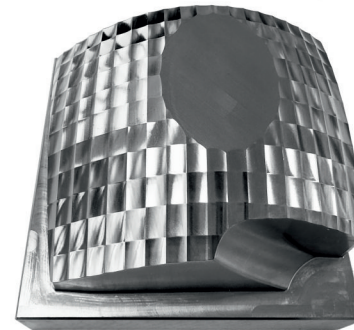
Inbuilt Tool Storage Cabinet



1 Air and 3 Coolant Nozzles



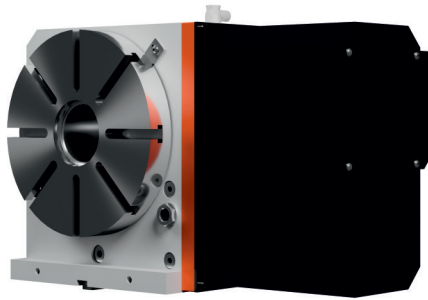
Copper Pipe for Lubrication



Die and Mould crafted using Cosmos CVM machines for superior quality and performance.

Optional Features

4th AXIS ROTARY TABLE PACKAGE



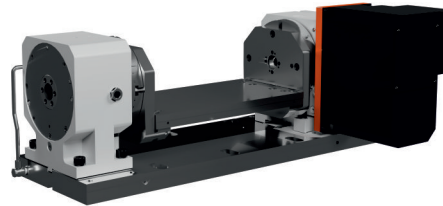
Additional Options

- Tailstock
- 3 Jaw Self centering Chuck
- 4 Jaw Self centering Chuck
- Special Work holding

Also available

- Rotary Multiface Production System with
- Rotary Table
 - Base Plate
 - Fixture Plate
 - L Bracket x 2
 - Faceplate Type Tailstock Support with Brake
 - Hydropneumatic Clamping System

4th AXIS ROTARY MANUFACTURING SYSTEM



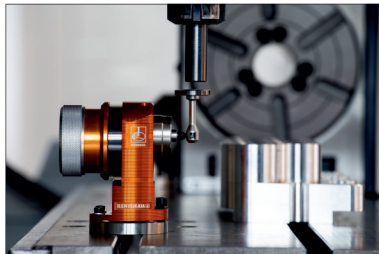
TOOL LENGTH MEASUREMENT (LTS)

Tool breakage

Thermal effect



WIRELESS TOOL SETTER AND PART SETTER



Tool Setter Benefits

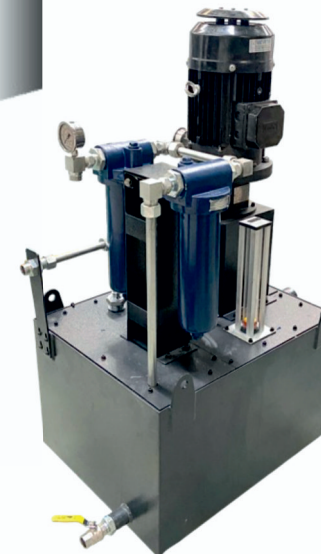
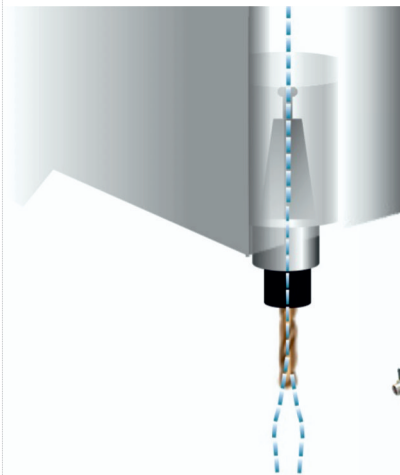
- Enables simple, fast tool setting
- The tool setter finds the length and diameter, which the controller automatically updates
- The tool setter also detects a number of defects, including:
 - Wear
 - Broken Tools
 - Thermal Growth

Part Setter Benefits

- Enables simple, automated part set up and Inspection.
- When a part is out of alignment, probing the work piece helps to find the error
- After machining is complete, the inspection can be carried out on machine itself and data can be stored.



COOLANT THROUGH SPINDLE



20 Bar high-pressure coolant through the spindle and the tool helps boost productivity and maximise tool life by improving chip evacuation and improving lubricity when drilling deep hole and difficult-to-access areas.

CVM comes with additional 100-litres separate CTS tank and dual stainless steel mesh filter for best results. Standard discharge pressure is 20bar also available as 70 bar.

Suitable for Water-soluble coolant.

Also available air through spindle as option.

Machine User Interface

Boost Your Profitability by Achieving the Maximum with Ease

ZENEZ Control

It focuses on customised dashboards and tools that help the operator to simplify his daily activity. The overall feature and package can reduce the time lost due to the complexity of the controller GUI; as a result, Zenez can significantly increase the machine output and profitability.

- 10.4-inch display or large 15-inch display
- Multi-touch User Interface
- Fully functional vertical and horizontal soft-keys for non-touch usage
- Crystal Type
- Enhanced hardware to ensure reliability

THE HOME SCREEN

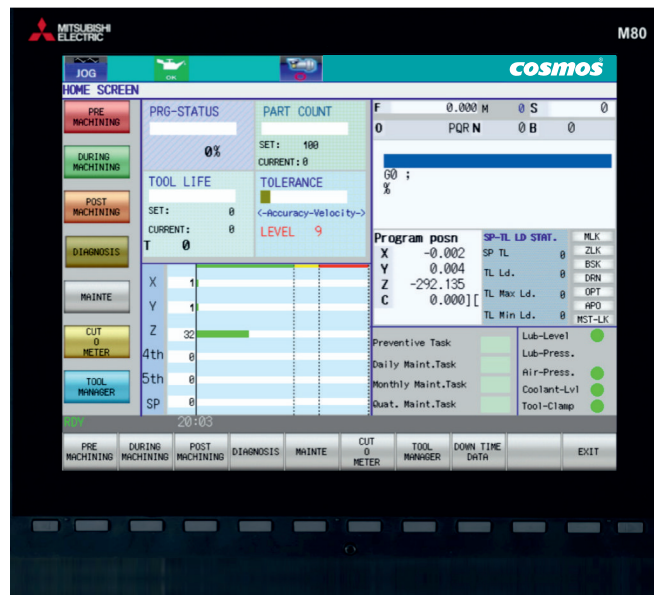
Status View

Program Status
Show Tool Life Status
Active Machining Condition
Part Count vs Total
Required

ZENEZ Menu

Pre-Machining APP
During Machining APP
Post Machining APP
Diagnosis APP
Maintenance APP
Tool Manager APP

Axis Load Meter



CNC View

Axis Feed Rate
Spindle rpm
Program Name
Sequence Number (N)
Block Number (B)
Program Buffer
Program Position
Spindle Load Stat

Maintenance Alert

An alert shows up if maintenance tasks are pending or one of the following is not normal:
Lubrication Level
Air Pressure
Coolant Level
Tool Clamp



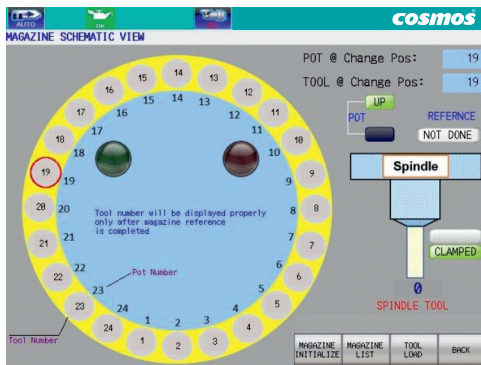
Scroll
Scroll in lists - Tool and Work offset list, Program, Gcode List Parameter.



Tap
Tap to move the cursor or navigate through the menus.

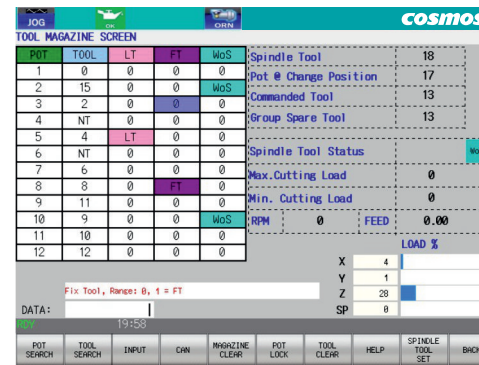


Pinch
Zoom in and out of graphic content during simulation mode.



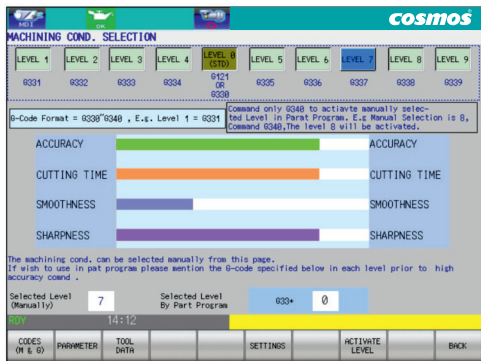
QUICK SETUP Magazine View

Users can assign large tools, fixed tools, locked tools, and maximum and minimum loads with tool type. Load Teaching is a value-added feature.



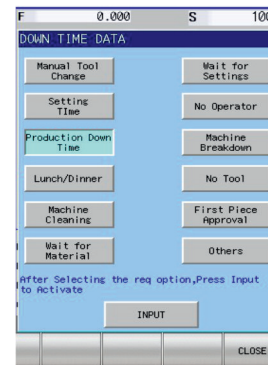
QUICK SETUP Tool Manager

User Can assign Large Tools, Fixed Tools, Locked Tools, Maximum and Minimum Load with Tool Type. Load Teaching is a value added feature.
*LT - Large Tool | FT - Fixed Tool | WoS - Tool without Spindle Rotation



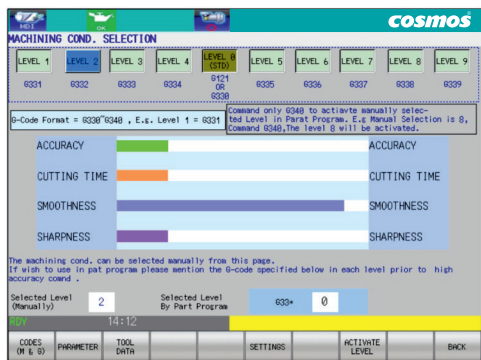
ADVANCE CONTROL Machining Condition Selection

Machining Condition Selection - Settings Level 1-9 offers the user control over the servo tuning. 1-9 represents tuning presets calibrated by the Cosmos and Mitsubishi Japan tech team to offer users the servo tuning control in a more understandable manner to maximise their profits by gaining customised control over roughing, semi-roughing, and finishing parameters.

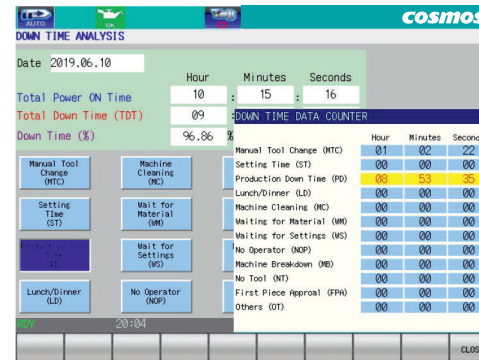


ADVANCE CONTROL Downtime Analysis

Downtime (DTE) Entry Popup
Whenever machine stops, the DTE pops up for classification for interruption in machining



*Can be activated by G-Code G331-339 - or Manually. This option can be password protected for restricted access.



Downtime Analysis Report

Complete report on why machine was idle.
Now you know where the issue is.

Productivity Softwares

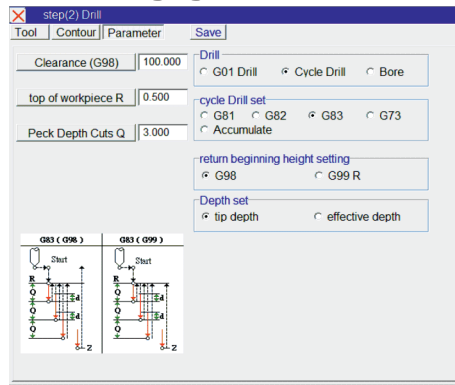
Cam Solution *Easy | Smart | Economic | Versatile*



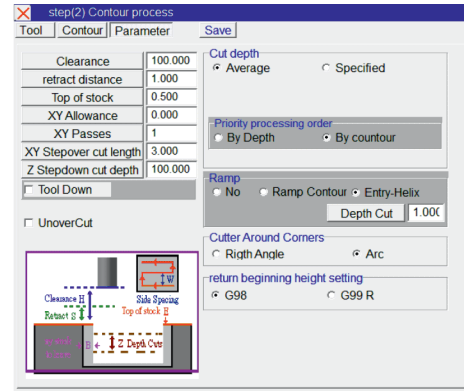
Key Features:

- 2.5D Machining
- Toolpath for Engraving
- Pocket Milling
- Contour Milling
- Facing
- All Drilling, Boring, and Tapping Cycles
- Treadmill Cycle
- Spiral Machining
- Rest Machining
- Tool Library Creator
- 4th Axis Program (Only Positioning)

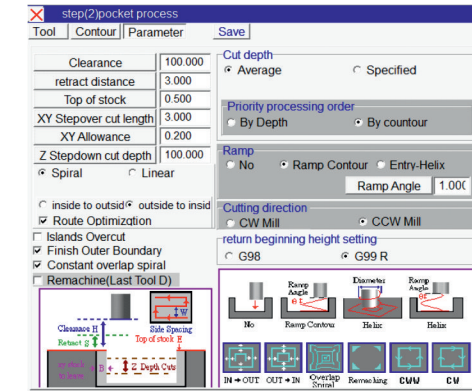
Drill (Drilling Cycles)



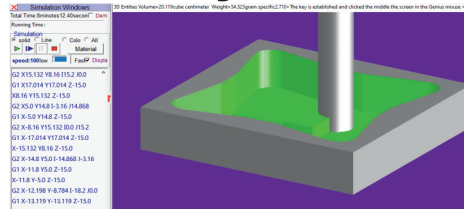
Contour



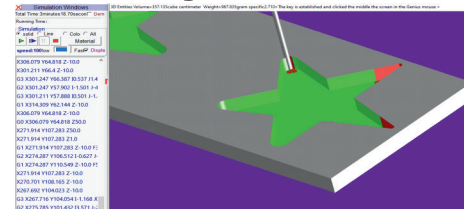
Pocket



Pocket Machining



Pre-Machining

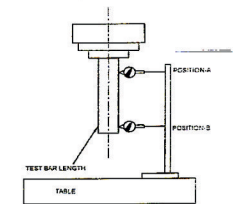


Quality & Accuracy

Laser & Ball-bar Calibration as per
VDI-3441 Standard
Geometrical Test as per
ISO 10791 Standard

Our Key Highlights

- For Laser Calibration we do 5 PASS TEST in all axes
- Our positional accuracies are achieved within 10 µm
- For Ballbar tests our Volumetric circularity is achieved within 8 µm

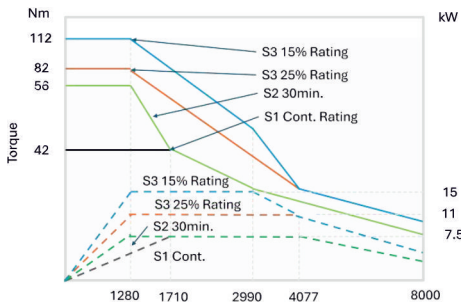


SPINDLE RUNOUT @ 300MM is < 8 µm
ISO 10791
Runout of The Spindle Taper Hold

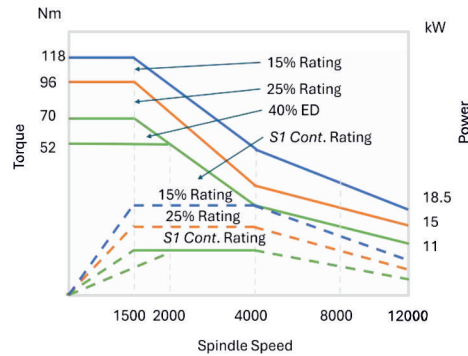
Torque Power Diagrams

Mitsubishi Controller

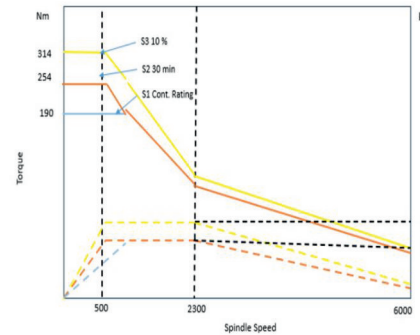
CVM 700
 Power 7.5/11/15 kw | Torque 112 Nm
 Belt 8000 rpm (STD)



CVM 800 | 1050 | 1160 | 1356 | 1370 | 1570
 Power 11/15/18.5 kw | Torque 118 Nm
 Belt 8000 rpm (STD) | 10000 rpm (OPT)
 DDS (OPT) - 10000 rpm | 12000 rpm

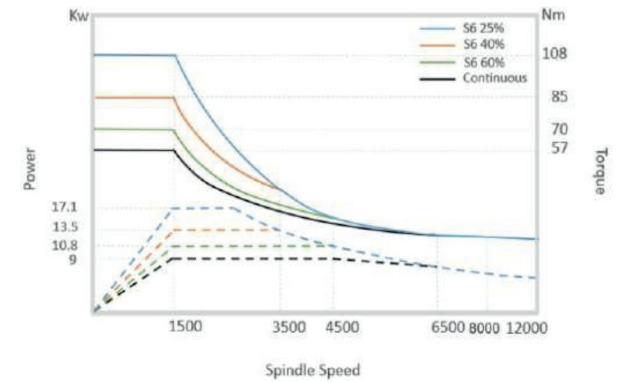


CVM 1680
 Power 15/18.5 kW | Torque 314 Nm
 Belt - 6000 rpm (STD)



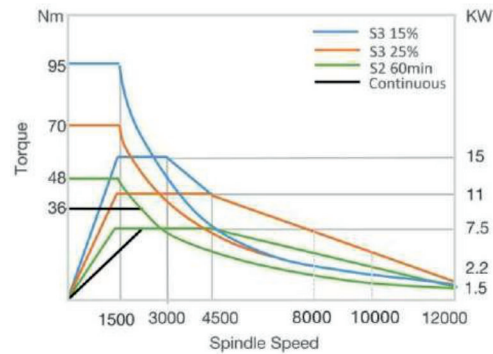
Siemens Controller

CVM 700 | 800 | 1050 | 1160 | 1365
 Power 9/17 kw | Torque 108 Nm
 Belt 8000 rpm (STD) | 10000 rpm (OPT)
 DDS (OPT) - 10000 rpm | 12000 rpm

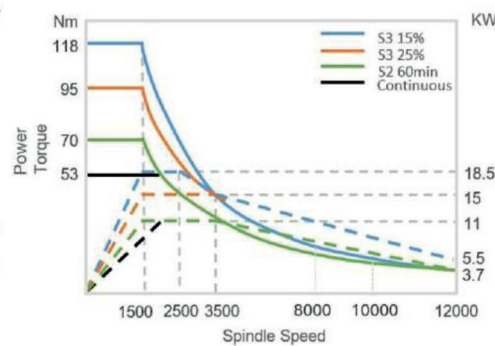


Fanuc Controller

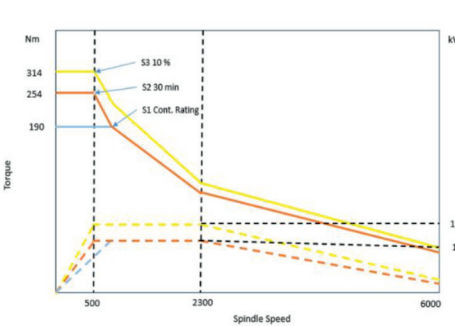
CVM 700 | 800 | 1050 | 1160 | 1365
 Power 7.5/11/15 kw | Torque 95 Nm
 Belt 8000 rpm (STD) | 10000 rpm (OPT)
 DDS (OPT) - 10000 rpm | 12000 rpm



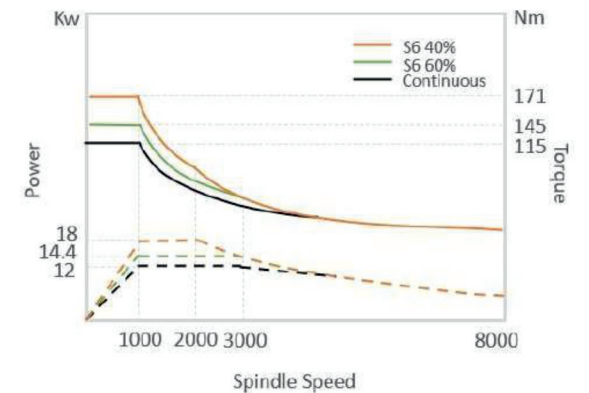
CVM 1370 | 1570
 Power 11/15/18.5 kw | Torque 118 Nm
 Belt 8000 rpm (STD) | 10000 rpm (OPT)
 DDS (OPT) - 10000 rpm | 12000 rpm



CVM 1680
 Power 15/18.5 kW | Torque 314 Nm
 Belt - 6000 rpm (STD)



CVM 1370 | 1570
 Power 12/18 kw | Torque 171 Nm
 Belt 8000 rpm (STD)



CVM - 1680

Engineered for Heavy-Duty Excellence

Rugged heavy-duty spindle for heavy cutting

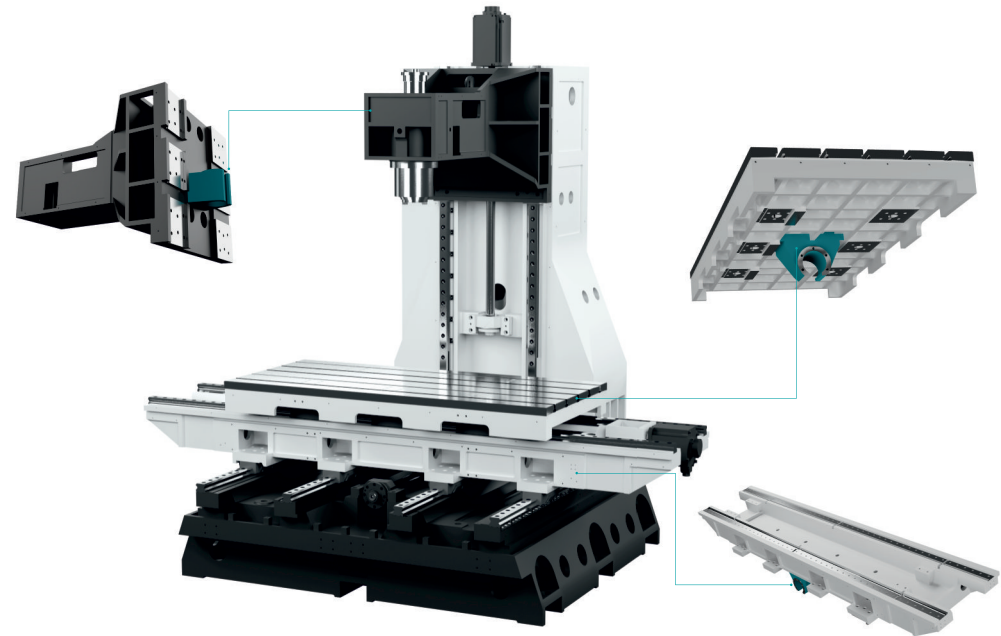
4 LM Guideways to support the massive saddle with 1600mm travel

Heavy-duty Z-axis motor for high dynamic performance



Machine Structure

Unity Structure and Robust Casting



Heavy Duty Cutting For Large Workpieces (#BT50)

CVM BT50 is recommended for powerful cutting based on the stable structure. The heavy structure in these machining centres can cut down your machining process and make your work more precise and productive.

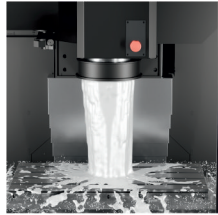
Additional Feature on BT50 Series

- ▶ Roller LM Guide ways on All Axis
- ▶ Higher Spindle Torque Updates
- ▶ Hydraulic Counterbalance
- ▶ Ring Coolant Around Spindle
- ▶ Optionally, BBT50 Direct Drive Spindle also available

CVM 700G

Graphite Wet Cutting / Dry Cutting

The CVM 700G uses special graphite-graded linear motion guideways with ultra dust protection seals to provide protection against the graphite dust. All axes and utilise special telescopic covers to minimise the graphite entering into the casting.



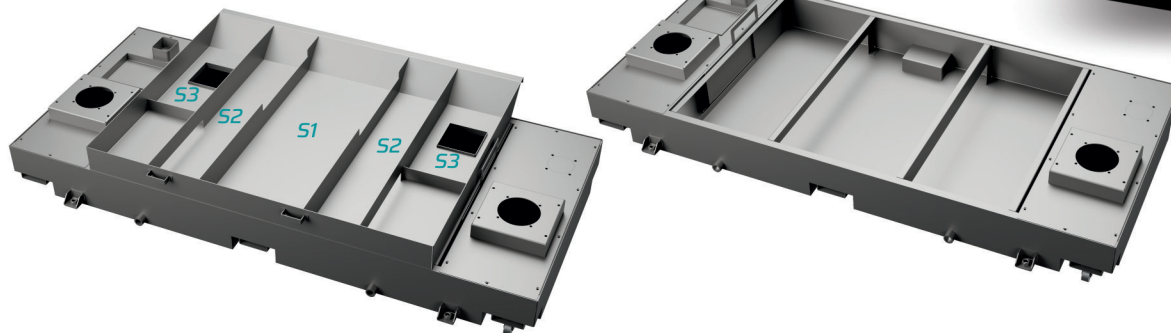
Coolant Ring

Graphite wet cutting employs a coolant curtain around the spindle to control the graphite dust from spreading.

Coolant Tank Design

Top Side Multisegmented graphite settling tank. Here coolant falls into this system in Segment S1 and flows all the way to S3, from where it goes into the main tank.

Complete Coolant Tank



Dirty Coolant Float Here

Main Coolant Tank



Special Feature on CVM 700G

- ▶ Direct Drive Spindle with 12,000 rpm
- ▶ Ball type LM guide ways on X, Y & Z axes with dust protection

CVM Model Range

Specifications	Unit	CVM-700/G	CVM-800	CVM-1050	CVM-1160	CVM-1365	CVM-1370	CVM-1570	CVM-1680
X - Axis Travel	mm	700	800	1050	1100	1300	1370	1500	1600
Y - Axis Travel	mm	450	500	520	650	650	700	700	800
Z - Axis Travel	mm	500	500	520	600	600	700	700	800
Spindle Nose to Table Surface	mm	100-600	100-600	125-645	150-750 100-700	150-850 100-740	150-850 100-800	150-850 100-800	100-900
Spindle Center to Sliding Cover Face	mm	500	520	520	652	652	716	706	830
Table Size	mm	800X450	1000X500	1150X500	1250X600	1450X650	1450X650	1450X650	1750X800
Maximum Table Load	mm	400	600	800	1000	1000	1500	1500	2000
Table T-slot	mm	4X18X100	18X5X100	18X5X100	18X5X100	18X5X125	18X5X25	18X5X125	18X5X150
Spindle Speed	rpm	8000	8000	8000	8000	8000	8000	8000	6000
Mitsubishi Motor Power (OPT)	kW	7.5/11/15	11/15/18.5	11/15/18.5	11/15/18.5	11/15/18.5	11/15/18.5	11/15/18.5	15/18.5
Fanuc Motor Power (OPT)	kW	7.5/11/15	7.5/11/15	7.5/11/15	7.5/11/15	7.5/11/15	11/15/18.5	11/15/18.5	15/18.5
Siemens Motor Power (OPT)	kW	9/17	9/17	9/17	9/17	9/17	12/18	12/18	-
LM Guideways	-	Ball	Ball	Ball	Ball	Ball	Roller	Roller	Roller
Spindle Taper	-	BBT 40	BBT 40	BBT 40	BBT 40/50	BBT 40/50	BBT 40/50	BBT 40/50	BT 50
Rapid Traverse Rate (OPT)	m/min	36	36(48)	36	30(36)	30	24	24	24/24/20
Cutting Feed Rate	m/min	10	10	10	10	10	10	10	10
Tool Nos. Capacity (OPT)	nos	24	30	30	30 24	30 24	30 24	30 24	24
Max. Tool Length	mm	250	250	250	250 350	250 350	250 350	250 350	350
Max. Tool Weight	kg	8	8	8	8 80	8 80	8 80	8 80	18
Tool Dia. (with adjacent tool)	mm	80	80	80	80 110	80 110	80 110	80 110	110
Tool Dia. (without adjacent tool)	mm	150	150	150	150 220	150 220	150 220	150 220	220
Tool Changing Time (tool to tool) (OPT)	sec	2	2	2	2 4.5	2 4.5	2 4.5	2 4.5	4.5
Positioning Accuracy	mm	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.015
Positioning Repeatability	mm	±0.003	±0.003	±0.003	±0.003	±0.003	±0.003	±0.003	±0.004
Machine Weight	kg	~4300	~4500	~5000	~6600	~7000	~8300	~9000	~12300
Power Requirement	Kva	20	30	30	30	30	35	35	40

Standard/Optional Features

Standard Features (CVM 700 - 1680)

- 10.4" Display
- Mitsubishi M80, Fanuc OiMF Plus, Siemens 828D Controller (any one)
- Ethernet for program transfer
- 24 Tool Arm Type Tool Changer
- Belt drive spindle
- C3 Class Ball screws in all axes
- Z-axis servo brake
- LM Guideways on all axes
- Full splash guard
- Rigid tapping
- Portable MPG
- AC Servo Motors on all Axes
- Heat Exchanger for Electrical panel
- Air and Coolant gun
- Automatic lubrication system
- Coolant system
- Oil coolant separator
- Chip Tray
- Adjustable Coolant Nozzle x 3 and Air Nozzle x 1
- Operation lamp
- Dual White LED Lamp inside the machine
- Levelling pad
- Maintenance kit
- Tower Lamp 3 Tier
- Operation and maintenance manual

Optional Features (CVM 700 - 1680)

- 15" Touch Screen Display
- Scraper Conveyor with Drum filter
- Slat type Conveyor
- Spindle Oil Cooler
- 20 Bar Coolant through Spindle (CTS) with 100 Litre Separate Tank
- Chip Flushing
- Air Conditioning for Electrical Panel
- 10000 rpm Belt Spindle
- 10000 rpm Direct Drive Spindle
- 12000 rpm Direct Drive Spindle
- 15000 rpm Direct Drive Spindle
- 18000 rpm inbuilt spindle
- 20000 rpm inbuilt spindle
- 4th Axis Rotary Table (4+1 Also Available)
- 4th Axis Enable (4+1 Also Available)
- 4th Axis Interface (4+1 Also Available)
- Roller LM Guideways
- Linear Scale on all axes
- Renishaw Primo (3DTS kit)
- Renishaw LTS

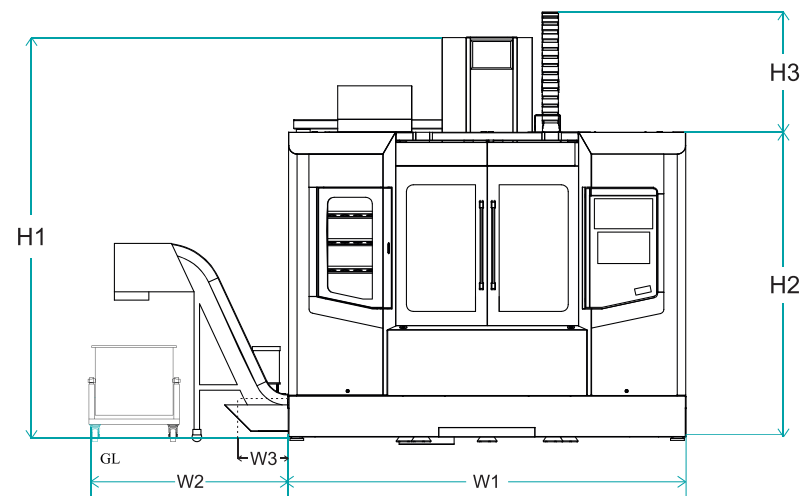
Note: Specifications and features are subjected to change without prior notice. Please refer the offer document, offer document as precedence.

Contact sales team for more accessories and tooled-up proposal

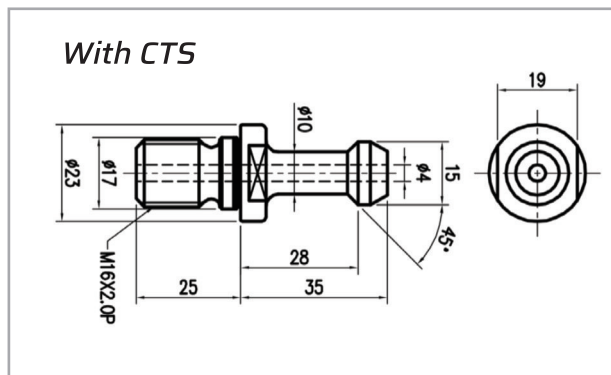
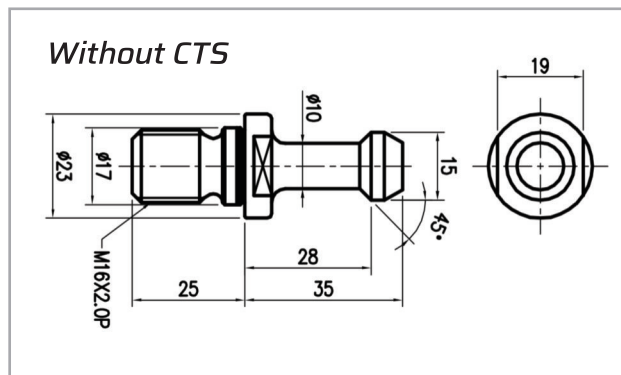
Layout & Dimension

Machine Layout

	W1	W2	W3	H1	H2	H3	Depth
CVM-700	2150	1410	420	2600	2050	800	2050
CVM-800	2450	1410	420	2650	2100	700	2200
CVM-1050	2770	1410	420	2780	2155	750	2200
CVM-1160	2900	1410	420	3000	2300	750	2250
CVM-1365	3450	1410	420	3100	2325	750	2350
CVM-1370	3500	1410	420	3100	2400	800	2430
CVM-1570	3900	1410	420	3170	2200	800	2410
CVM-1680	4350	1410	420	3365	2430	800	4300

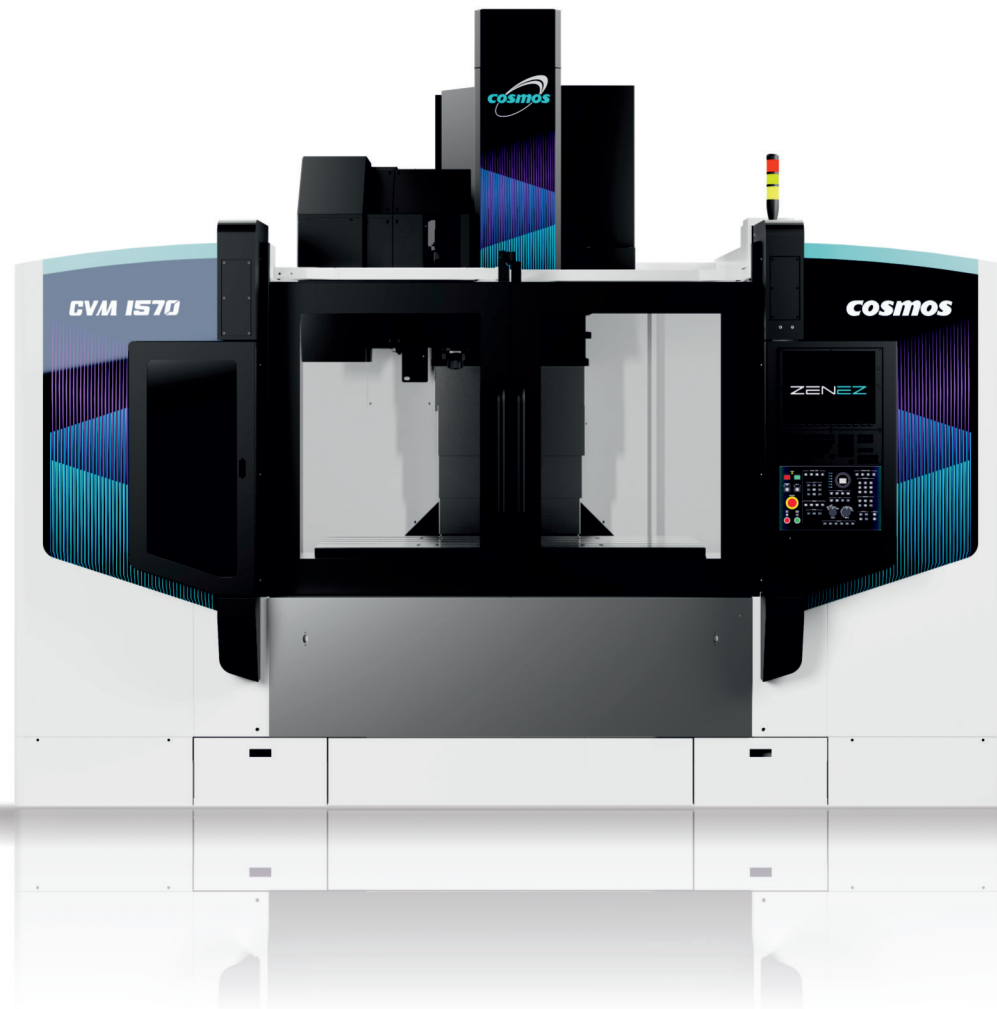


Pull Stud Drawing



CVM Next-Gen

A radiant new hue with enhanced performance, features and user experience launching soon for a global market.

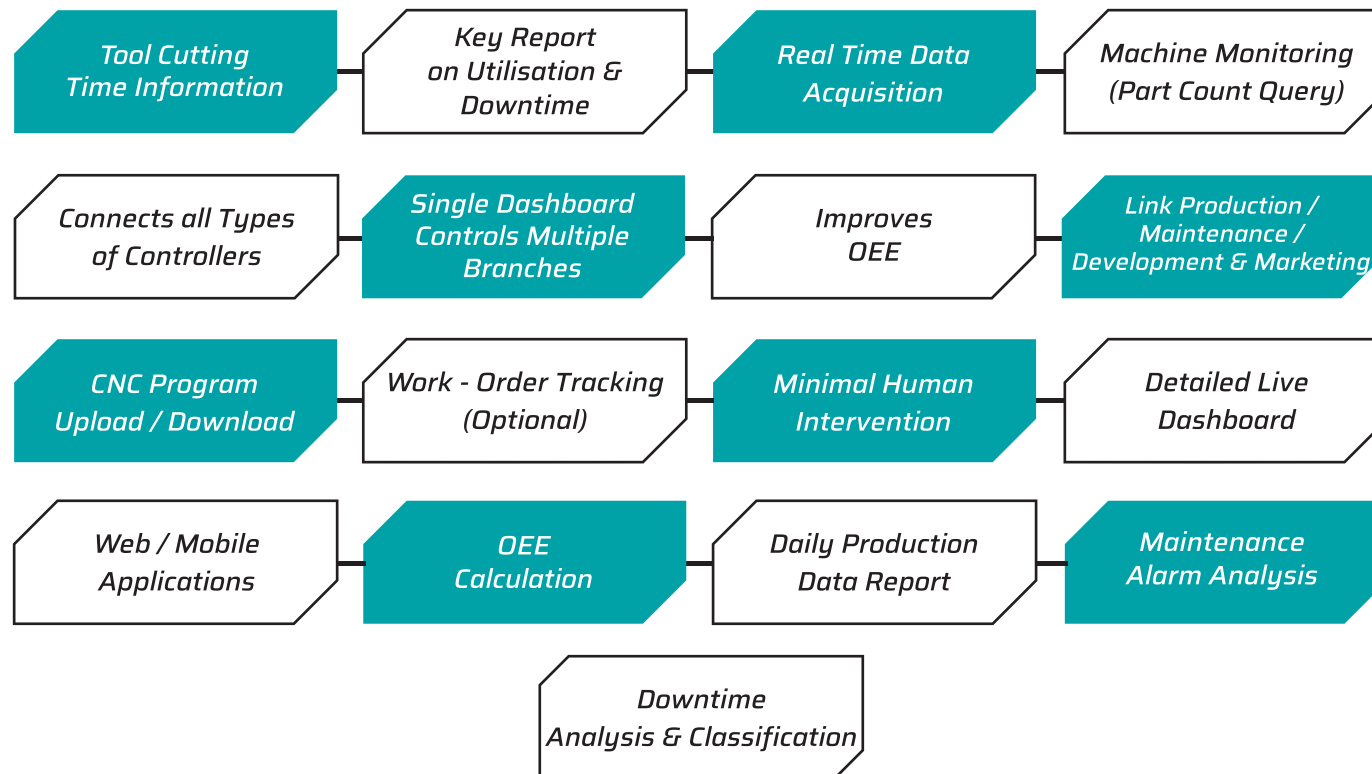


Coming Soon...

PROBLEMS AT SHOP FLOOR

- *Inaccurate Manual Data*
- *Boxes of Paper Reports Daily*
- *No Real-Time Data Monitoring*

DIGITAL FACTORY SOLUTION HELPS TO GET



RESULTS

 **20% Increase in Productivity**

 **99% Data Accuracy**

 **3 Month Return on Investment**

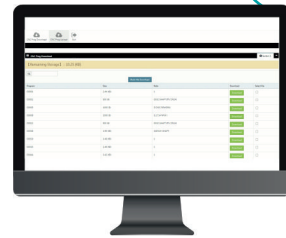
 **25% More Efficient Programs**

digiFAC FEATURES



Dashboard Monitoring

- ▶ Live information of the entire factory.
- ▶ Categorise machines (Unit-wise).
- ▶ View regular utilisation of the machine.



Program Transfer

- ▶ Upload programs from the computer to machines directly.
- ▶ Download programs and edit them from anywhere around the globe.



Alarm Analysis

- ▶ Alarm history by code or machine.
- ▶ Time and duration of all alarms generated by a separate machine.



Tool Cutting Time Information

- ▶ No more unidentified dry-runs.
- ▶ Program path optimisation in-sight.
- ▶ Tool usage clarity.
- ▶ Shorter cycle-times (if modified).
- ▶ Eliminate NVA air time and improve your process.



Feed-rate Override and Underride Report

- ▶ Monitor adjustments in real-time.
- ▶ Understand impact on cycle times, output & efficiency.
- ▶ Records to speed up production or breaks ensures transparency and control.
- ▶ Ensuring faster production doesn't sacrifice precision.



Production Information (Utilisation)

- ▶ Detailed production information report.
- ▶ An automated daily production report.
- ▶ All reports are available in Excel format.



Downtime Analysis

- ▶ See total machine downtime.
- ▶ Monitor downtime and the reasons for it (Macro Downtime Feature).
- ▶ Focus and can easily get the classified major losses/downtimes and work on optimisation.



Email Alerts

- ▶ Set a time for machines' idle condition and receive or get alarm notification on email.
- ▶ Management Reporting: Receive daily production report and downtime analysis report by email on daily basis.



Live OEE Monitoring

- ▶ Automate data collection and reporting.
- ▶ Imagine and display real-time OEE on the shop floor.
- ▶ Execute cross-functional daily reviews and conversation sessions.
- ▶ Use Root-Cause Analysis.

SMARTCONNECT+



Corporate Office

Cosmos House, Plot No. 85/2, Padra Road, Atladara, Vadodara, Gujarat - 390 012

Manufacturing Facilities

Plant - I

Cosmos Impex India Pvt. Ltd., Plot No. 847, 848 Village Ranu, Ta. Padra, Vadodara, Gujarat - 391 445

Plant - II

Plot No. 68-B, Sigil Compound, Padra Road, Atladara, Vadodara, Gujarat - 390 012

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