

## **CNC Wirecut EDMs**

## **CNC EDMs**

## **EDMs**

## **EDM Consumables**

## **CNC Machining Centers**

## **CNC Engraving Machines**

## **Metal Cutting Machines**

(Turning Centers, VTL, VMC, Drill Tap Centers, HMC, 5 Axis VMC, Double Column & Ultrasonic Machining Centers)

## **Grinding Machines**

## **Conventional Machines**

## **Advanced Technology Solutions**





## About Electronica

Electronica, part of Poddar HMP Group, having experience of more than 5 decades and pioneer in manufacturing EDMs & WEDMs, is characterised by technology leadership, pertinent solutions, prompt service, highest machine population in India, significant presence in more than 40 countries excellent customer relations & best after sales service network.

At Electronica, every action is pivoted around the customer, be it fast-paced product development, test center for pre-purchase trials, retrofitting facilities or nationwide network of qualified and trained engineers. This customer focus not only makes us the leader in our field, but also elevates us to the status of the 'most preferred company' for EDMs & WEDMs by several leading corporates, leading educational institutions and thousands of jobbers.

Electronica has also entered in the field of manufacturing & selling of CNC Vertical machining centers. These Machines are available in different sizes & various controllers as per customer requirement.

Electronica has also joined hands with multiple International brands as their marketing partner for India to provide its customers various kinds of machine tools such as VMCs, HMCs, Turning canters, Double column machining centers, Engraving machines, Ultrasonic machining centers, Grinding machines etc.

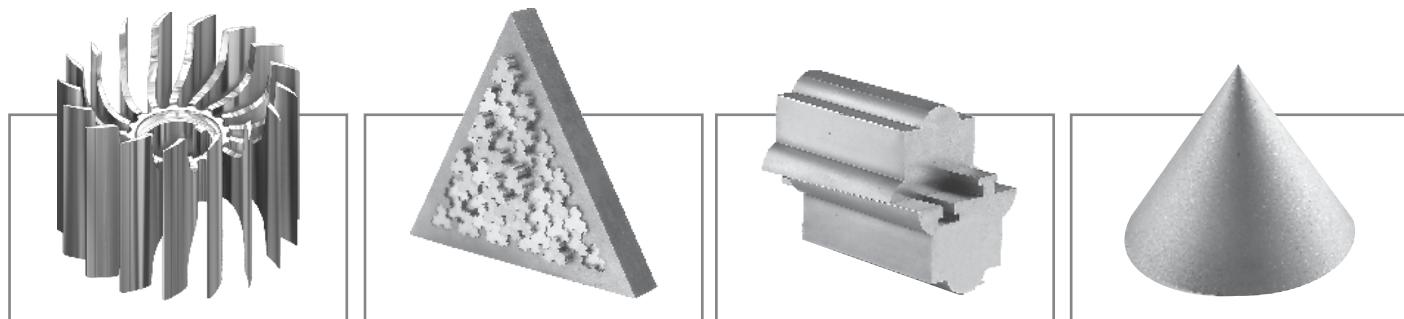
Read on. Discover more. For greater delight



# eNova Series

## CNC Wirecut EDM (Submerged Type)

- High-precision 5 axes CNC
- eNova CNC Windows embedded CNC controller with TURBO motion control technology
- Capability of machining Poly-Crystalline Diamond
- FEA Verified Rugged Machine Tool
- Large stroke models available in Flush & Submerge
- Automatic Wire Threading (Optional)



## Technical Specifications

Specification	eNova 1S	eNova 2S
Main axes traverse (X, Y)	400 x 300 mm	600 x 400 mm
Max. work piece height (Z)	300 mm	350 mm
Max. work piece weight	500 kg	1000 kg
Aux. axes traverse (U, V)	100 x 100 mm	120 x 120 mm
Max. taper angle	$\pm 35^\circ$ /50 mm	$\pm 35^\circ$ /50 mm
Max cutting speed	220 mm <sup>2</sup> /min. (with 0.25 mm dia. special wire on 50 mm work piece height)	
Best surface finish	0.4 $\mu$ Ra	0.4 $\mu$ Ra

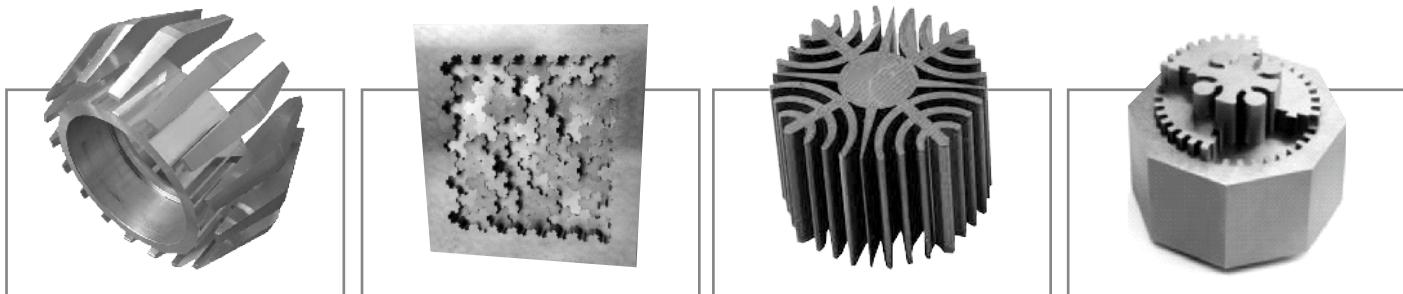
## High-Precision, High-Speed & High Reliability Submerged CNC Wirecut EDM

In keeping with our constant endeavour to meet ever-changing market needs, we reserve the right to alter or change the specifications mentioned without prior notice.

# Emerge Series

## CNC Wirecut EDM (Submerged Type)

- Compact Footprint
- State of Art New generation CNC Controller
- Industrial grade HMI with Windows 10
- e Pulse & Anti electrolysis Ae2 Pulse Technology
- 5 Axis CNC with close loop AC Servo
- Rugged FEA tested machine body with casting of base & column
- Powerful offline CAD programing Software ELCAM
- Modular Design to cater all types of applications
- Automatic Wire Threading (Optional)
- In Built MBF with 10 micron paper filtration
- Synchronized rotary axis for special applications (Optional)
- Latest controller hardware using TRIO CPU



## Technical Specifications

Specification	S43	S64	S86
Main axis traverse (X, Y)	400 x 300 mm	600 x 400 mm	800 x 600 mm
Maximum workpiece height (Z)	250 (S)/300 (F) mm	300 (S)/350 (F) mm	450 mm (500 mm opt.)
Maximum work piece weight	500 kg	1000 kg	4000 kg
Aux. axis traverse (U, V)	100 x 100 mm	120 x 120 mm	120 x 120 mm
Max taper cutting angle	± 35°/50 mm	± 35°/100 mm	± 35°/100 mm
Maximum Cutting Speed	220 mm <sup>2</sup> /min. (with 0.25 mm dia. special wire on 50 mm work piece height)		
Best Surface finish	0.4 µ Ra	0.4 µ Ra	0.4 µ Ra

\* SPM Machines on special demand available

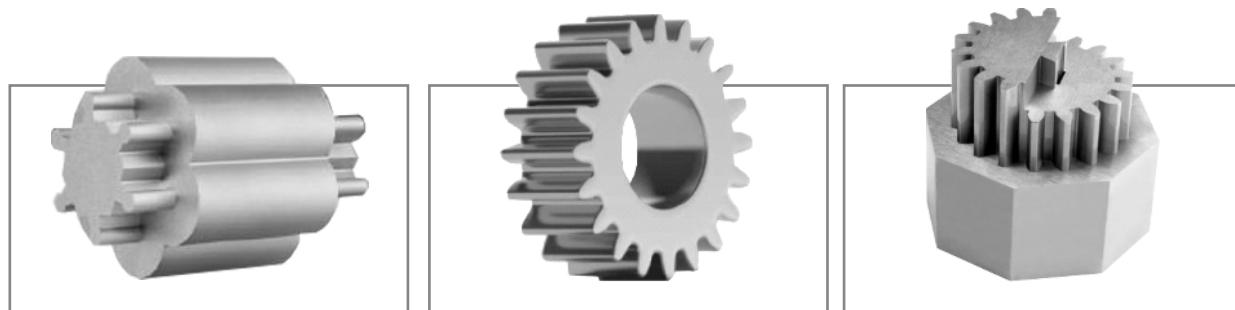
## High-Precision, High-Speed Submerged CNC Wirecut EDM

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## Smart Series

### CNC Wirecut EDM (Flush Type)

- Compact footprint
- State of Art New generation CNC Controller
- Industrial grade HMI with Windows 10
- e Pulse & Anti electrolysis Ae2 Pulse Technology
- 5 Axis CNC with close loop AC Servo for all axis
- Rugged FEA tested machine body
- Powerful offline programing Software "ELCAM"
- Modular Design to cater all types of applications



### Technical Specifications

Specification	F43	F64	F86
Main axis traverse (X, Y)	400 x 300 mm	600 x 400 mm	800 x 600 mm
Maximum workpiece height (Z)	300 mm	350 mm	450 mm
Maximum work piece weight	500 kg	1000 kg	3000 kg
Aux. axis traverse (U, V)	100 x 100 mm	120 x 120 mm	120 x 120 mm
Max taper cutting angle	± 35°/50 mm	± 35°/100 mm	± 35°/100 mm
Maximum Cutting Speed	220 mm <sup>2</sup> /min. (with 0.25 mm dia. special wire on 50 mm work piece height)		
Best Surface finish	0.44 µ Ra	0.44 µ Ra	0.44 µ Ra

### High-Precision, High Speed, Compact footprint Flush type CNC Wirecut EDM

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## W-Series

### EUROCUT MARK I

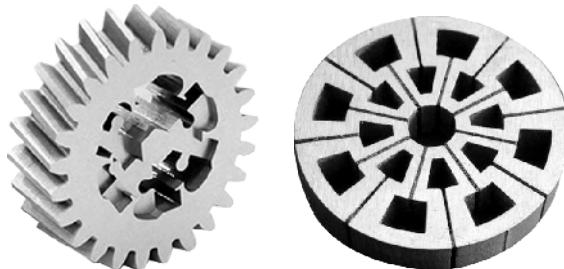
- X x Y : 300 x 400 mm
- Max. workpiece height : 250 mm
- Max. table size : 440 x 650 mm
- Max. cutting speed : 220 mm<sup>2</sup>/min.
- Best surface finish : 0.45 µ Ra
- ePulse Technology
- Long life mineral bed filtration (DL 35 Unit)
- 5 Axis CNC driven by European Technology
- 16-step programmable flushing
- Taper : ± 35°/50 mm
- All 5 axis AC Servo with Z axis prejog
- Power Saving mode



CNC Wirecut EDM (Flush Type)

### EUROCUT MARK II

- X x Y : 600 x 400 mm
- Max. workpiece height : 350 mm
- Max. table size : 910 x 580 mm
- Max. cutting speed : 220 mm<sup>2</sup>/min.
- Taper : ± 35°/50 mm
- Best surface finish : 0.45 µ Ra
- ePulse technology
- 5 Axis CNC driven by European Technology
- Long life mineral bed filtration (DL 35 Unit)
- All 5 axis AC Servo with Z axis prejog
- 16-step programmable flushing
- Power Saving mode



**High Speed with Optimised features, Versatile applications**

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## W-Series

### SPRINTCUT WIN<sup>+</sup>

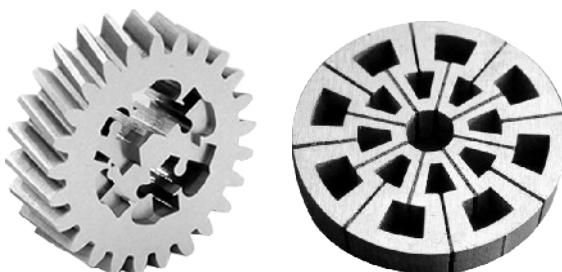
- X x Y : 300 x 400 mm
- Max. workpiece height : 250 mm
- Max. table size : 440 x 650 mm
- Max. cutting speed : 180 mm<sup>2</sup>/min.
- Best surface finish : 0.55 µ Ra
- ePulse Technology
- Long life mineral bed filtration (DL 35 Unit)
- 5 Axis CNC driven by European Technology
- 16-step programmable flushing
- Taper : ± 35°/50 mm
- All 5 axis AC Servo with Z axis prejog
- Power Saving mode



CNC Wirecut EDM (Flush Type)

### SPRINTCUT DLX<sup>+</sup>

- X x Y : 600 x 400 mm
- Max. workpiece height : 350 mm
- Max. table size : 910 x 580 mm
- Max. cutting speed : 180 mm<sup>2</sup>/min.
- Taper : ± 35°/50 mm
- Best surface finish : 0.55 µ Ra
- ePulse technology
- 5 Axis CNC driven by European Technology
- Long life mineral bed filtration (DL 35 Unit)
- All 5 axis AC Servo with Z axis prejog
- 16-step programmable flushing
- Power Saving mode



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# W-Series

## SPRINT MINI

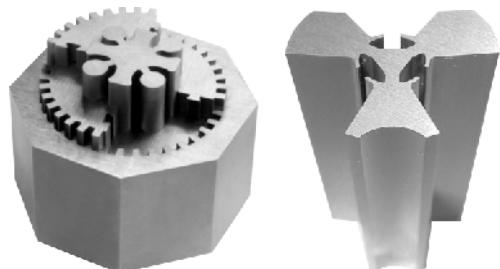
- X x Y : 300 x 400 mm
- Max. workpiece height : 250 mm
- Max. table size : 600 x 410 mm
- Max. cutting speed : 140 mm<sup>2</sup>/min.
- Taper :  $\pm 30^\circ$  over 50 mm
- Best surface finish : 0.9  $\mu$  Ra
- Compact footprint, single lift machine
- e Pulse technology
- Windows 10
- Two side job loading available



CNC Wirecut EDM (Flush Type)

## ECOCUT

- X x Y : 250 x 350 mm
- Max. workpiece height : 200 mm
- Max. table size : 370 x 600 mm
- Max. cutting speed : 70 mm<sup>2</sup>/min.
- Taper :  $\pm 5^\circ$  over 100 mm
- Best surface finish : 1.2  $\mu$  Ra
- Compact footprint
- e Pulse technology
- Windows 10
- Single lift machine



## Beginner's choice

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## Ezeewin Series

### ER 300 / 500 / 700 / 1000

- Indigenous Products
- Max. cutting speed : 100 mm<sup>2</sup>/min.
- Best surface finish : 1.2 µ Ra
- Compact footprint
- ePulse technology
- Windows bases O.S.
- Online program editing
- Prejog function
- Part programming software "ELCAM"



#### Technical Specifications

Specification	Unit	ER300	ER500	ER700	ER1000
Work Table Size	mm	520 X 340	740 X 500	840 X 600	1180 X 770
XY table traverse	mm	320 X 250	450 X 350	550 X 450	800 X 630
Maximum work piece height	mm	300	400	600	800
Maximum work piece weight	kg.	200	300	400	1000
Max taper cutting angle		3°/50 mm	3°/50 mm	3°/50 mm	3°/50 mm
Wire Diameter (Molywire)	mm	0.12 ~ 0.18	0.12 ~ 0.18	0.12 ~ 0.18	0.12 ~ 0.18
Machine Weight	kg.	1200	1500	1700	2500
Machine Dimensions	Mtr.	1.48x1.0x1.4	1.6x1.27x1.7	1.7x1.43x1.7	2.2x1.98x1.9

### ES 300 / 500 / 700 / 1000

- Lowest running costs
- Closed loop X, Y with linear scales
- Reciprocating Molybdenum wire
- Max. cutting speed : 100mm<sup>2</sup>/min. on steel (HcHcr / WPS)
- Inbuilt 2 axes DRO
- Machine Compatibility with Moly / Brass Wire
- LM guide for wire drum assembly
- Auto wire tension
- Aluminium cutting - optional
- LM guide ways & Ball screw for X, Y Axis



#### Technical Specifications

Specification	Unit	ES300	ES500	ES700	ES1000
Work Table Size	mm	520 X 340	740 X 500	840 X 600	1180 X 770
XY table traverse	mm	320 X 250	450 X 350	550 X 450	800 X 630
Maximum work piece height	mm	300	400	600	800
Maximum work piece weight	kg	200	300	400	1000
Max taper cutting angle		30°/80 mm	30°/80 mm	30°/80 mm	30°/80 mm
Wire Diameter (Molywire)	mm	0.12 ~ 0.18	0.12 ~ 0.18	0.12 ~ 0.18	0.12 ~ 0.18
Machine Weight	kg	1200	1500	1700	2500
Machine Dimensions	Mtr.	1.48x1.0x1.4	1.6x1.27x1.7	1.7x1.43x1.7	2.2x1.98x1.9

Note : We can also make SPM's of various table size & higher taper angles.

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## Mega Series - CNC

### MEGA 0/1/2/3

- Fixed bed moving column structure, versatile for job machining
- 'No flush- No arc' machine
- Definable erosion axis
- ATC and Integrated C axis (optional)
- High-speed jump 5000 mm/min.
- Built-in 'GURU'
- Drop door tank
- Canned orbiting cycles
- Electrode holding kit - (optional)
- X, Y, Z, Axis with LM guide & Ball screw
- Direct coupled AC servo for X, Y, Z, Axis
- Best surface finish - 0.3  $\mu$  Ra

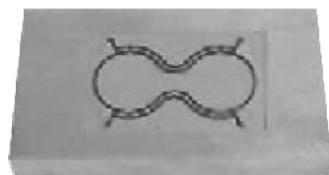


### Technical Specifications

Specification	Unit	Mega 0	Mega 1	Mega 2	Mega 3
Travel X, Y, Z	mm	450 X 350 X 300	600 X 400 X 400	800 X 500 X 400	1200 X 600 X 500
Work Tank Size	mm	1080 X 700 X 450	1500 X 900 X 500	1800 X 1100 X 570	2100 X 1250 X 620
Table Size	mm	700 X 400	900 X 600	1100 X 600	1250 X 800
Maximum work piece weight	kg	1000	2500	3000	4500

## SMART CNC PRO

- XxYxZ : 300 x 200 x 250 mm
- Work tank : 800 x 500 x 350 mm
- High speed jump - 5 meter/min
- Windows 10 based O.S.
- Powerful Built-in Programming Software "EZ-GURU".
- TRIO Motion Controller with AC Servo Drives – European Technology.
- Definable erosion axis.
- Canned orbiting cycles.
- Adaptive anti-arc and Flushing control.
- SAFE machining circuit.
- Compact Footprint – Moving Table Design.



## Mega Series - ZNC

### MEGA 0 / 1 / 2 / 3

- Fixed bed moving column structure, versatile for job machining
- Programable Z Axis
- Hand-held remote control
- 99 programs, 50 steps per program
- Pulse generator upto 50 Amp. (70 Amp. Opt.)
- Motorised X & Y Axis with LM Guide & Ball screw
- Z Axis AC servo
- Best surface finish : 0.3  $\mu$  Ra



#### Technical Specifications

Specification	Unit	Mega 0	Mega 1	Mega 2	Mega 3
Travel X, Y, Z	mm	450 X 350 X 300	600 X 400 X 400	800 X 500 X 400	1200 X 600 X 500
Work Tank Size	mm	1080 X 700 X 450	1500 X 900 X 500	1800 X 1100 X 570	2100 X 1250 X 620
Table Size	mm	700 X 400	900 X 600	1100 X 600	1250 X 800
Maximum work piece weight	kg	1000	2500	3000	4500

## Yuva Series - ZNC

### YUVA 1050 / 1260

- Column Movement Machine
- Double Door Opening
- Compact Foot Print
- Low Working Height
- Ball screw for X, Y axes
- PNC & X Y individual sparking (Optional)
- Z Axis AC servo
- Best surface finish : 0.3  $\mu$  Ra



#### Technical Specifications

Specification	Unit	Yuva 1050	Yuva 1260
Travel X, Y, Z (Back slide)	mm	600 X 450 X 250 (300)	700 X 500 X 250 (300)
Work Tank Size	mm	1420 X 850 X 550	1500 X 1000 X 620
Table Size	mm	1000 X 500	1200 X 600
Maximum work piece weight	kg	1500	2000

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## Mint Series - (M / ZNC)

**MINT 5030 / 5535 / 6040**

- Very low power consumption
- Day/Night mode for 24 hr. operation
- Auto positioning with audiovisual signal
- Multistage anti-arc in-built
- Reverse servo sparking
- Like to Like machining
- MOSFET for superior finish
- Carbide cutting
- Optimum performance
- Ball screw for x, y axes
- Impulse Flushing
- DC servo with speed-up function (only ZNC)



### Technical Specifications

Specification	Unit	5030	5535	6040
Travel X, Y, Z	mm	280x200x250	300x200x250	350x250x250
Work Tank Size	mm	725x415x315	800x500x350	1000x600x350
Table Size	mm	500x300	550 x 350	600x400
Maximum work piece wt.	kg	175	175	300

## EDM Drill

**SMART DRILL II & RAPIDRILL II**

- Drilling capacity : 0.3 mm to 3.0 mm dia.
- Granite work table
- Brass and Copper tubes as electrodes
- Water / Coolant soap as dielectric
- Ball screw on X & Y Axis



### Technical Specifications

Specification	Unit	Smartdrill II	Rapidrill II
Work Table Travel X, Y	mm	450x300 (Granite)	320x430 (Granite)
Travel Height Z	mm	350x250	300x400
Max Electrode	mm	350+300	280+300
Length	mm	400	400
Size of electrode Dia	mm	Die 0.3 ~3.0 mm	Die 0.3 ~3.0 mm

# CNC Vertical Machining Center Die & Mould Series -

## Vertical Machining Centers



## ARJUN PLUS V650 / V850 / V1100

- 8,000 / 10,000 RPM
- 24-Tool ATC
- International Standard LM guide and Ball screw
- BT#40 Spindle - 7.5 /11 Kw Spindle Motor
- Better Chip evacuation with engineered splash guard
- Electronica's world class engineering & Design backed by all India service and sales network.
- Enhanced die mold cutting features.

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# CNC Vertical Machining Center Performance Series -

High Speed Vertical Machining Centers



## ARJUN PLUS V700P

- X, Y, Z Travel - 700 x 400 x 400 mm
- Ergonomically designed structure for dynamic rigidity
- 24 tool ATC, Tool Change Time 1.5 Sec.
- 48 / 48 / 48 m/min rapid rate for X/Y /Z axes
- High Speed Spindle 10000 rpm with Direct Drive
- Spindle Power - 5.5 / 7.5 Kw
- Japanese - LM & Ball Screw for long life of Machine
- Coolant Through Spindle - CTS (Optional) Chip conveyor (Optional)
- Better Chip evacuation with engineered splash guard
- Electronica's world class engineering & Design backed by all India service and sales network.

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# Surface Grinders

## SEMI AUTO / NC / CNC

- Robust Design
- Naturally seasoned Castings equivalent to Meehanite grade.
- Robust & Sturdy design for precise grinding results over long period of time.
- OPTIMUM ribbing for more stability with Maximum vibration Damping capacity.
- GSH series – Hydraulic Semi Automatic Horizontal Spindle
- Reciprocating table type Surface Grinding Machines FASGM series – Hydraulic NC-Controlled Horizontal Spindle
- Reciprocating table type Surface Grinding Machines
- PHRC series- CNC-Controlled Horizontal Spindle Rotary table type Surface Grinding Machines
- PVRC series- CNC-Controlled Vertical Spindle Rotary table type Surface Grinding Machines



# Turret Milling Machine

## SMART MILL - EM4S

Table Size	254 x 1370mm (10"x54")
T-solt (WxNOxD)	16x3x65mm
Travel for XYZ	950x400x400mm (37.4"x15.7"x15.7")
Spindle Quill Travel	127mm (5")
Ram Travel	600 (300+300)mm
Spindle Motor	3HP
Spindle Taper	R8
Type of Guide Ways	X Z "V", Y Flat
Change of Speed	16 Step Speed
Spindle Speed R.P.M.	66-4540 RPM
Headstock Swivel & Incline	R & L90°F & R 45 °
Machine Weight	@1200kg



## CNC Double RAM EDM

- Windows CE controller
- Simple operation interface.
- ATC (automatic tool change) and C-axis 360° index
- Automatic multi-step machining (coarse, medium coarse, medium fine, fine, superfine).
- Unlimited number of machining conditions can be saved
- Different machining conditions; Radial, circular, square, linear (vector), coning, 45° hole-expanding machining.
- Lateral machining, three axes, six directions (plane rotation).
- Optical scale with close loop design on three axes
- Achieve smooth high quality on machining surface while the rate of electrode wear is still low.



## ZNC/PNC EDM

- Windows CE controller
- Machining condition can be produced automatically according to electrode material, electrode size and machining depth.
- A newly designed power supply system-two step serve feed can be chose according for achieving superior machining and discharge consistency for wide area and deep-hole machining.
- Machining is rapid with copper, graphite and tungsten circuit.
- The micro-computer digitally monitors anti-carbon deposit system.
- Input through dialog windows. It's easy to understand and operate.
- Optical scales on three axes.

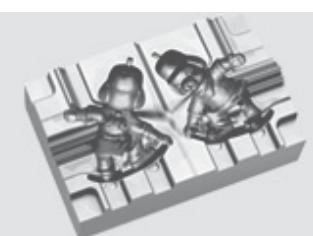


- System utilizes Windows CE controller
- Touchscreen interface
- Able to store data through USB and internet.
- Dialogue window, along with picture description functions.
- Close-Loop design of digital feedback on three axis of the machine.
- ATC (automatic tool changer) and AGC(automatic guide changer) can be installed
- Able to proceed standard GM code and extra GM code
- DXF file transfer to position coordinate function
- AB axis rotate table can be installed
- Position simulation and work route can be displayed
- During discharge change new electrode can automatically compensate depth



## CNC Engraving Machine

- High Speed compact Bridge type with & without ATC
- Specially for shoe moulds
- Spindle RPM 24000
- Spindle Oil cooling system
- Full featured CNC system



**electronica-YMC**

DESCRIPTION	UNIT	YMC 4535	YMC 5040	YMC 6050	YMC 7060	YMC 8070	YMC 1080	YMC 1080B
Axes Travel X / Y / Z	mm	350/450/150	400/500/160	500/600/230	600/700/270	700/700/300	1000/800/350	850/1050/350
Spindle Nose to Work Table Surface	mm	50-200	190-350	130-360	100-370	90-390	110-460	110-460
<b>Table</b>								
Table Size	mm	500X385	570X470	635X555	660X600	700X800	905X720	795X1000
T-Slot( Nos-Size-C.D.)	mm	5-14X74	5-14X92	5-14X108	5-14X128	5-14X128	5-14X114	6-14X130
Max. load capacity of table	Kg	150	150	300	350	600	1000	1000
<b>Feed Rate</b>								
Rapid feed rates: X/Y/Z axis	mm/min	7500	7500	7500	7500	X,Y-15000,Z-7500	X,Y-15000,Z-7500	X,Y-15000,Z-7500
Cutting feed rate X/Y/Z axis	mm/min	7500	6000	6000	6000	6000	6000	6000
<b>Spindle</b>								
Spindle Taper		ER-16	ER-20 (ISO20)	ER-25 (BT/ISO-30)	ER-32 (BT/ISO-30)	ER-32 (BT/ISO-30)	ER-32 (BT/ISO-30)	ER-40 (BT/ISO-30)
Spindle drive system		INBUILT MOTOR	INBUILT MOTOR	INBUILT MOTOR	INBUILT MOTOR	INBUILT MOTOR	INBUILT MOTOR	INBUILT MOTOR
Spindle speed	rpm	30000	24000	24000	18000	18000	18000	18000
Spindle Power	kW	1.5	2.2	4	5.5	5.5	8	8
<b>CNC SYSTEM</b>								
LNC528								
<b>Accuracy As per ISO230-2</b>								
Positioning	mm	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Repeatability	mm	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<b>(OPTIONAL -AUTOMATIC TOOL CHANGER)</b>								
	No	-	-		(Line-6) (Corousal, 8/12/16)	(Line-6) (Corousal, 8/12/16)	(Line-6) (Umbrella 12/16)	(Line-6) (Corousal, 8/12/16)
<b>General Machine Specifications</b>								
Power requirements	Kva	4	6	10	10	12	15	15
Machine dimensions (w/o operator panel), LxWxH	mm	1500X1420X2300	1560X1600X1900	1800X1700X2150	1950X1800X2300	2300X1950X2400	250X2120X2550	2600X2100X2400
Machine weight installed (approx.)	kg	1,500	1,800	2,300	2,600	3,500	5,100	5,100

- Jewellery Industry

- Mould and Die Making

- Shoe Industry

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## Vertical Machining Centers

**electronica-LITZ**

Precision  
Robust Design

- X- Stroke - 600 to 3000 mm
- Spindle drive – Belt/ Direct Coupled / Gear Box / Built in Spindle
- Guide ways - LM Ball/ LM Roller/Box type
- CNC System – Mitsubishi/Fanuc /Siemens.
- Through Spindle Coolant 18 to 70 bar.
- Optimum Foot Print
- Ergonomically Designed
- Efficient Chip Management

### Models

- CV- Die Mold
- MV- Precision comp.
- DV- Direct Drive Spindle
- DM – Built in Spindle
- BV/SV – Box type Guide ways



High Speed,  
Precision, Robust Design

- Pallet Size – 300 x 300 to 1250 X 1250
- Pallet Changer – Rotary, Shuttle
- CNC System – Mitsubishi / Fanuc / Siemens.
- Ball Screw Cooling
- Spindle Oil Cooling System
- Roller LM Guide ways
- Efficient Chip management
- High Rapid Feed Optimize Foot Prints
- Quick & Easy Access for Maintenance



High Speed Precision

## 5 axes Machining Centers

- Table to Table Configuration
- With/Without ATC
- Bridge type construction
- Heidenhein /Seimens system
- X stroke 450 – 3000 mm
- Configuration with AB,
- AC, BC Axes.
- Direct drive spindle
- Roller type linear guide ways



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## Drill Tap Centers

Precision, Fast,  
Wide Range Robust Design

- Model Name/Number – MT52D
- Rapid speed (XYZ) – 56, 56, 56 m/min.
- BT 30 Spindle.
- Tool to tool time – 0.8 sec.
- Machine with heavier casting upto 3500 kg.
- Position accuracy 0.005 mm.
- Repeat positioning accuracy 0.003 mm.
- 21 tool umbrella type tool magazine.



## CNC Lathe – Turning Centers

High Speed,  
Wide Range, Robust Design

- Model Name/Number – TH 62
- High rigidity and high accuracy spindle.
- Turret – rapid indexing, long life span, high rigidity
- clamping force reach 7000 Kgf.
- Energy saving features
- ECO design
- High efficiency machining.
- Siemens 828 D Controller



## Double Exchange- Machining Center

High Speed,  
Precision, High productivity

- Double Exchange- Machining Center
- MP80P Double Switch machining center
- Dual part processing
- Siemens system
- Easy automation
- FEA verified machine tool
- Digital factory docking
- Pallet exchange time: 8 sec
- Spindle taper: BBT40



*In keeping with our constant endeavour to meet ever-changing market needs, we reserve the right to alter or change the specifications mentioned without prior notice.*

## Ultrasonic Engraving/ Machining Center

- High-Rigidity beam and column
- Integrated Structure design.
- Independent patents of ultrasonic technology for processing hard-brittle materials such as ceramic, sapphire, glass, carbon fiber composite and metal materials.
- Siemens 808D control
- Suitable for Engraving application with Spindle RPM of 40000.



## Ultrasonic Graphite Machining Center

- Ultrasonic integrated into HSK 32E spindle
- Tool magazine with 15 positions
- Siemens 840Dsl system
- Laser tool checker with ultrasonic amplitude measurement
- High precision grating ruler
- Graphite dust collector
- Coolant system
- Centralized automatic lubrication system
- Spindle cooling system



## Ultrasonic Drill/ Tap Center

- Clean machining technologies for big volume roughing, cavity milling, grooving, and hole machining.
- AVG. 20% C/T reduction
- Est. 50% savings from coolant
- Over 100% tool life increase
- Fewer burrs, less deburring costs
- Carbon Neutrality accelerating



## High Precision Surface Grinders

- Rigid Slant Beam
- Heavy Duty linear Guideways
- Precision Feed on vertical Axis
- Variable Table Speed
- Precision Angular Bearing Spindle
- Multiform Model for suitable requirement starting from X-Axis Travel of 1000mm to 2000mm and Y-axis travel from 500mm to 700mm.
- Auto Cross feed, longitudinal (Hydraulic) and Vertical Axis by servo motor..



## Hi-Speed Hydrostatic Centerless Grinder

- H-series is a centerless grinding machine equipped with precision hydrostatic bearing for both wheel spindles and R.W lower slider(In-feed axis) is hydrostatic guideways.
- Minimal feeding value of 0.0005mm. This high precision and high speed performance satisfy the strict accuracy requirement like roundness, roughness and size tolerance.
- Advantages of hydrostatic bearing- No abrasion between metal to metal, to increase machine use life. extremely low friction. Keeps spindle oil temperature during work to keep accuracy.
- Wheel dressing for Grinding and regulating wheel.
- Available in Through-feed and in-feed type based on application.



- OGC- series is the best choice for high precision grinding work.
- Hydrostatic lubrication system
- Grinding wheel spindle is precision machined from high quality alloy steel SNCM-220, normalized, tempered, carburized and sub-zero treated.
- Various diamond tool holder types could be chosen according to work.
- High performance CNC control system with GUI



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## Heavy duty Large C frame Machining Centres

- Robust design & rigid construction
- Available in various sizes from X stroke = 700 to 3300 mm
- Speedy and reliable ATC
- Spindle taper : Bt40 / Bt50
- High efficiency spindle
- Precision ball screws
- Heavy duty 6 linear guideways on Y axis (above 2mts)
- Fanuc controller with motors



## Double Column Machining Centres

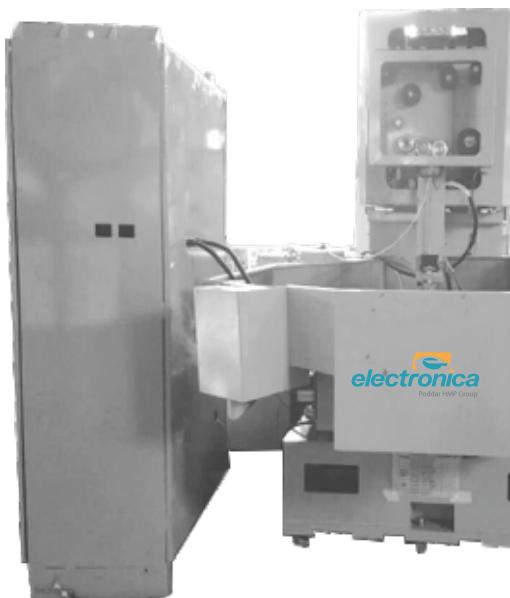
- Robust design & rigid construction Available in various sizes from X stroke = 1500 to 8000 Square shape Gantry Ram to increase the rigidity



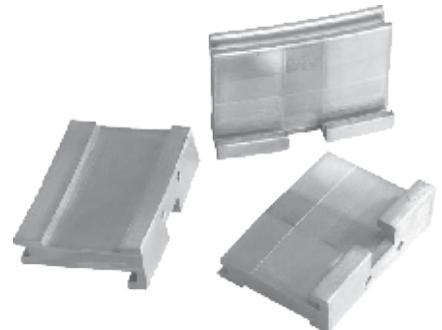
In keeping with our constant endeavour to meet ever-changing market needs, we reserve the right to alter or change the specifications mentioned without prior notice.

## Special Purpose Wirecut EDM Machines

Suitable for Machining of aerospace applications



Submerged Type



Wirecut Examples

SPM CNC Wirecut EDM



Flush Type

We cater all types of SPM EDM & WEDM Machines

In keeping with our constant endeavour to meet ever-changing market needs, we reserve the right to alter or change the specifications mentioned without prior notice.

# EDM Supplies SHOPPE

WEDM Wire



EDM Oil



Standalone Generators  
for old EDMs & WEDMs



Add-on Filtration Systems  
For EDMs & CNC Wirecut EDMs



Wire Guides



Current Pickups



Flushing Nozzles



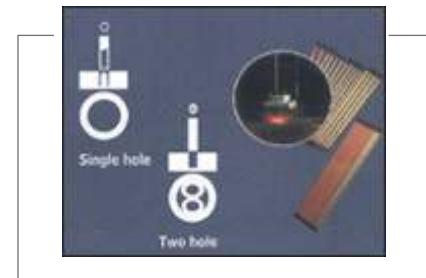
Filters



Icon Exchange Resin



Coreless Brass Electrodes



**CONSUPACK** for various models available

**One-Stop-Shop for Consumables, Accessories & Services**

## Retrofits and Reconditioning

### SMART CNC



**Before**



**After Reconditioning  
with TRIO controller**

### SPRINTCUT WIRECUT EDM



**Reconditioning OLD  
CNC Wirecut EDM (Before)**



**Reconditioning OLD  
CNC Wirecut EDM (After)**

**Retrofits and upgrades for various models available  
One-Stop-Solution for on site and factory reconditioning and upgrades.**

## NOTES

## Nationwide Sales & Service Network

### North Zone

#### Delhi West

sales.delhi@electronicagroup.com  
sales.delhi02@electronicagroup.com

#### Delhi East

sales.eastdelhi@electronicagroup.com

#### Faridabad

sales.faridabad@electronicagroup.com

#### Gurgaon

rakesh@electronicagroup.com  
sales.gurgaon@electronicagroup.com

#### Ludhiana

sales.ludhiana@electronicagroup.com

### West Zone

ravi@electronicagroup.com

#### Mumbai

sales.mumbai@electronicagroup.com

#### Baroda

hcpatell@electronicagroup.com  
sales.baroda@electronicagroup.com

#### Pune

rohan@electronicagroup.com

### East Zone

sales.kolkata@electronicagroup.com

### South Zone

export@electronicagroup.com

#### Chennai

sales.chennai@electronicagroup.com

#### Coimbatore

sales.coimbatore@electronicagroup.com

#### Bangalore

sales.bangalore@electronicagroup.com

#### Hyderabad

sales.secunderabad@electronicagroup.com

## Group Companies:



Ralliwolf is a name to reckon with in the Power Tools Industry. The company pioneered the manufacturing of Power Tools in India more than 60 years ago in collaboration with Wolf, UK. Today, it's been six decades of relentless quest that the company has been providing complete solution in power tools space and is truly a time tested brand in the industry with current portfolio of more than 100 products covering different segments of power tools, pneumatic tools & Welding machines. The products are manufactured in state of the art plant at Ahmednagar in Maharashtra and having more than 500 dealers network across India.

For more information visit: [ralliwolf.com](http://ralliwolf.com)



Ralli, the name is trusted for quality and durability with over 4 decades of presence in Agriculture Machine Market of India. Ralli began its journey in 1972 when Ralli Engine was born in collaboration between Rallis India Ltd and JLO, West Germany. Since inception, the product has been the pioneer and leader in 35 cc Engine business. Ralli now offers the entire range of Plant Protection equipments.

Ralli products are being manufactured under stringent quality control and close supervision at state of the art plant at Valsad near Surat in Gujarat. Ralli offers unparalleled network of Dealers and service centres across India. Ralli is having the most modern in-house R & D Department equipped with latest technology and experienced team of professionals. Ralli produces the most economical and efficient plant protection equipment's.

For more information visit: [ralliagri.com](http://ralliagri.com)



JH Sciaky Ltd. Enjoys the position of pioneer for Resistance Welding Machine in India and is having a glorious legacy of 45 years. Popular products are Resistance welding machine equipments, Weld Mesh welding machine, Spot Welding Machine, Projection Welding Machine, Integrated Transformer Gun, Seam Welding Machine, Dual Head Seam Rim Welder, Hydraulic Flash Butt Welder, Flash Butt Rim Welder, 3 Ph. DC Spot, Projection & Seam Welding Machine, Repair Welder, Partition Welder, Compressor Line, Rim Line, Radiator Line, Wire Mesh Line and Automation Solutions like High Speed (6ft) Weld Mesh Machine, Automatic Machine (5ft), Automated TMT Mesh Welding Machine (4mtr width), Automated Stud Welding Line etc.

For more information visit: [jayahindsciaky.com](http://jayahindsciaky.com)

## INTERNATIONAL PRESENCE



Australia



China



Egypt



Germany



Korea



Japan



Saudi Arabia



UAE



Thailand



USA



Turkey



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- Canada • Costa Rica • CIS • Holland • Hong Kong
- Indonesia • Italy • Jordan • Kenya • Lebanon
- Malaysia • Mauritius • Mexico • New Zealand
- Nigeria • Poland • Singapore • South Africa
- South Korea • Sri Lanka • Syria • Taiwan
- Vietnam • Yemen



[www.electronicagroup.com](http://www.electronicagroup.com)

## Electronica India Limited

An ISO 9001 : 2015 Certified Organization

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