

EDM

CNC EDM

CNC WIRECUT EDM

CNC MACHINING CENTER

CNC ENGRAVING MACHINE

VMC

DOUBLE COLUMN VMC

GRINDING MACHINE

CONVENTIONAL MILLING MACHINE

**SHAPING THE FUTURE
OF METAL CUTTING**

Since 1975

Lead with the leader

Electronica India Limited

An ISO 9001 : 2015 Certified Organization



electronica
Poddar Group

About us...

Electronica, a part of the Poddar Group, brings over five decades of expertise and stands as a pioneer in the manufacturing of EDMs and WEDMs. Renowned for its technological leadership, innovative solutions, prompt service, and the largest machine population in India, Electronica has built a strong global presence across more than 25 countries. The company is also highly regarded for its enduring customer relationships and one of the most reliable after-sales service networks in the industry.

At Electronica, every initiative is centered around the customer — whether it is rapid product development, pre-purchase trial testing, retrofitting facilities, or support through a nationwide network of highly qualified engineers. This customer-first approach not only reinforces our leadership but has also earned us the distinction of being the “most preferred company” for EDMs and WEDMs among leading corporations, premier educational institutions, thousands of job shops, and preferred by all tool rooms.

Building on this success, Electronica has expanded into the manufacturing and sale of CNC Vertical Machining Centers, offered in a variety of sizes and configurations with controller options tailored to meet diverse customer needs.

Additionally, Electronica has partnered with several international brands as their marketing partner in India, providing a comprehensive portfolio of advanced machine tools including VMCs, HMCs, Turning Centers, Double-Column Machining Centers, Engraving Machines, Ultrasonic Machining Centers, Grinding Machines, and more.

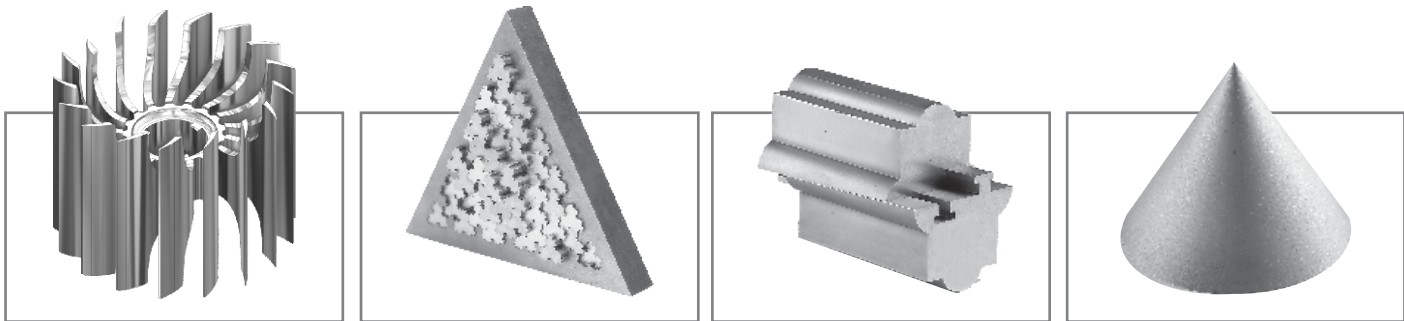
With a legacy of innovation, excellence, and customer trust, Electronica continues to set benchmarks in precision engineering while delivering greater value to its customers worldwide.



eNova Series

CNC Wirecut EDM
(Submerged Type)

- High-precision 5 axes CNC
- eNova CNC Windows 10 based O.S. CNC controller with TRIO control technology
- Capability of machining Poly-Crystalline Diamond
- FEA Verified Rugged Machine Tool
- Large stroke models available in Flush & Submerge
- Automatic Wire Threading for 0.25mm diameter wire (Optional)



Technical Specifications

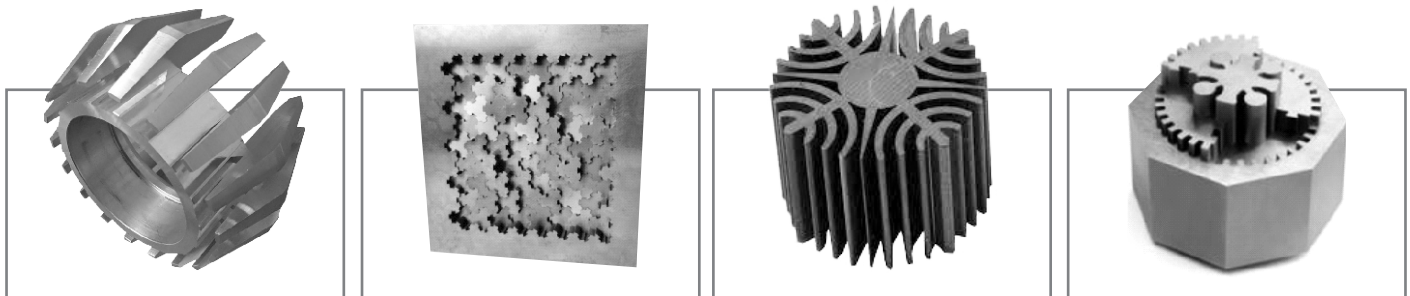
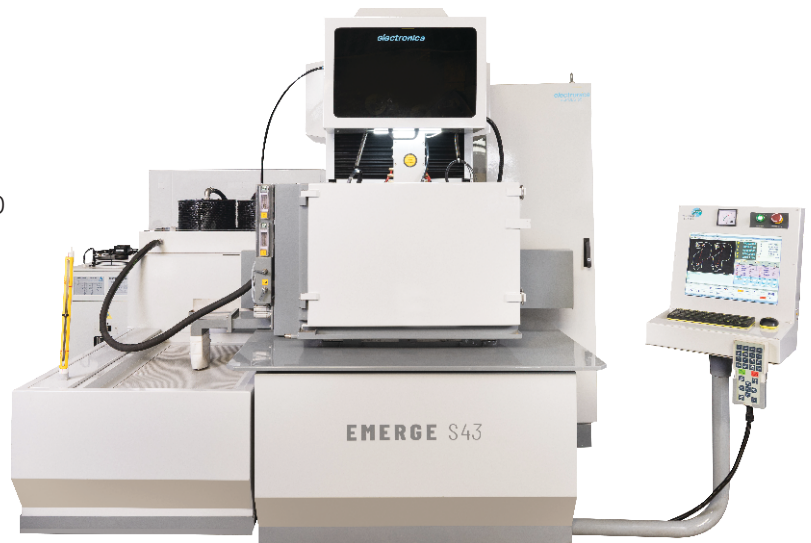
Specification	eNova 1S	eNova 2S
Main axes traverse (X, Y)	400 x 300 mm	600 x 400 mm
Max. work piece height (Z)	300 mm	350 mm
Max. work piece weight	500 kg	1000 kg
Aux. axes traverse (U, V)	100 x 100 mm	120 x 120 mm
Max. taper angle	± 35°/50 mm	± 35°/50 mm
Max cutting speed	220 mm ² /min. (with 0.25 mm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

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

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)
- For 0.25mm diameter (5 micron optional) 10 micron paper filtration
- Synchronized rotary axis for special applications (Optional)
- Latest controller hardware using TRIO CPU
- Add on MBF (optional)



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)	300 mm	350 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 ² /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

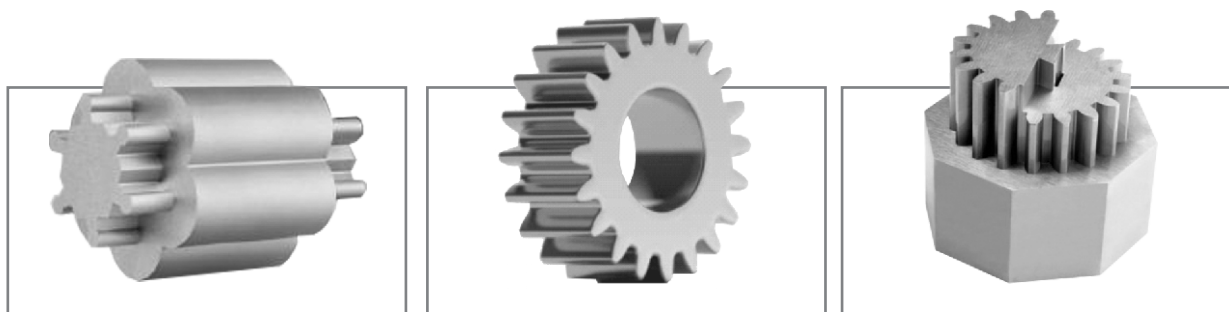
High-Precision, High-Speed Submerged CNC Wirecut EDM

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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
- Mineral Bed filtration
- MBF (Paper filtration optional)



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 ² /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

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 mm²/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 : ± 30°/50 mm
- All 5 axis AC Servo with Z axis programmable
- 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 mm²/min.
- Taper : ± 30°/50 mm
- Best surface finish : 0.45 µ Ra
- ePluse technology
- 5 Axis CNC driven by European Technology
- Long life mineral bed filtration (DL 35 Unit)
- All 5 axis AC Servo with Z axis programmable
- 16-step programmable flushing
- Power Saving mode



High-Precision, High-Speed Submerged CNC Wirecut EDM

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W-Series SPRINTCUT WIN⁺

- X x Y : 300 x 400 mm
- Max. workpiece height : 250 mm
- Max. table size : 440 x 650 mm
- Max. cutting speed : 180 mm²/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 : ± 30°/50 mm
- All 5 axis AC Servo with Z axis programable
- Power Saving mode



CNC Wirecut EDM (Flush Type)

SPRINTCUT DLX⁺

- X x Y : 600 x 400 mm
- Max. workpiece height : 350 mm
- Max. table size : 910 x 580 mm
- Max. cutting speed : 180 mm²/min.
- Taper : ± 30°/50 mm
- Best surface finish : 0.55 μ Ra
- ePluse technology
- 5 Axis CNC driven by European Technology
- Long life mineral bed filtration (DL 35 Unit)
- All 5 axis AC Servo with Z axis programable
- 16-step programmable flushing
- Power Saving mode



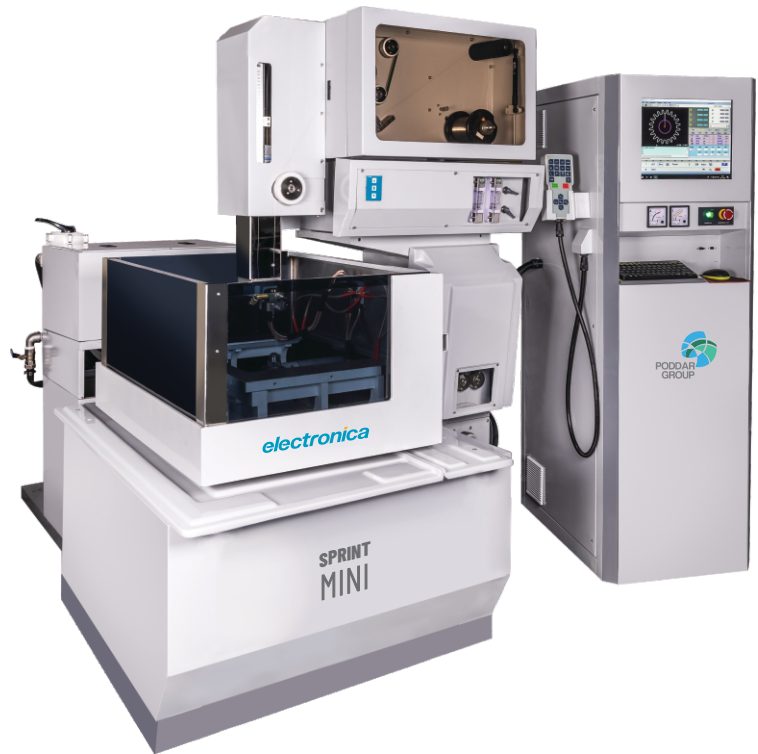
High-Precision, High-Speed Submerged CNC Wirecut EDM

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W-Series

SPRINT MINI

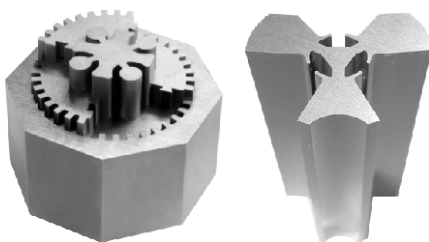
- X x Y : 300 x 400 mm
- Max. workpiece height : 250 mm
- Max. table size : 600 x 410 mm
- Max. cutting speed : 140 mm²/min.
- Taper : $\pm 30^\circ$ over 50 mm
- Best surface finish : 0.9 μ Ra
- Compact footprint, single lift machine
- e Pulse technology
- Windows 10 O.S. with latest CNC controller TRIO
- Two side job loading available
- Stepper Motor X, Y, U, V
- Z Motorised movement
- MBF (Paper filter optional)



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 mm²/min.
- Taper : $\pm 5^\circ$ over 100 mm
- Best surface finish : 1.2 μ Ra
- Compact footprint
- e Pulse technology
- Windows 10 O.S. with latest CNC controller TRIO
- Single lift machine
- MBF (Paper filter optional)



Engineer's Choice

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Ezeewin Smartcut Series

- Windows Based Operating CNC Software
- In Built programing Software
- 17" LCD Display
- 2 GB Program memory
- X,Y Axis AC Servo & U,V Axis - Stepper Servo
- Motorised Z Axis
- Auto Wire Tension Facility
- Equipped with wire guide system



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Technical Specifications

Machine Specifications	Smartcut 4032 <i>CI</i>	Smartcut 5040 <i>CI</i>	Smartcut 6350 <i>CI</i>	Smartcut 8063 <i>CI</i>	Smartcut 4032C	Smartcut 5040C	Smartcut 6350C C	Smartcut 8063C
X,Y Axis Travel (mm)	400 x 320	500 x 400	630 x 500	800 x 630	400 x 320	500 x 400	630 x 500	800 x 630
Work Table Size (WxD mm)	600 x 380	720 x 460	820 x 550	1070 x 710	600 x 380	720 x 460	820 x 550	1070 x 710
Job Admit (mm)	330	330	430	430	330	330	430	430
Max. Workpiece Weight (Kg)	450	600	800	1200	450	600	800	1200
Max Taper Angle (Deg/mm)	" +/- 3/100	" +/- 3/100	" +/- 3/100	" +/- 3/100	" +/- 3/100	" +/- 3/100	" +/- 3/100	" +/- 3/100
X,Y LM Guide	YES	YES	YES	YES	YES	YES	YES	YES

Ezeewin Smartcut NGX Series

- Controller CNC System : Windows Based O.S.
- CNC Controller : 4 Axis Simultaneous with AUTOCUT CNC
- Screen Display : 17" LCD
- Min. Command Input (mm) : 0.001
- Input Power Supply : Linear, Circular
- Average Power : 2.5
- Consumption (KVA) : 2
- Discharge Mode : Rough/Skim Cut



Technical Specifications

Models	Smartcut 4030 NGX	Smartcut 5035 NGX	Smartcut 6040 NGX	Smartcut 8050 NGX
X,Y Axis Travel (mm)	400 x 300	500 x 350	600 x 400	800 x 500
Work Table Size (WxD mm)	620 x 430	750 x 500	880 x 560	1080 x 675
Job Admit (mm)	300	300	300	500
Max. Workpiece Weight (Kg)	300	600	900	1500
Max Taper Angle (Deg/mm)	" +/- 6/100	" +/- 10/100	" +/- 10/100	" +/- 10/100
X,Y LM Guide	YES	YES	YES	YES

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Ezeewin Series

ER 300 / 600 / 700 / 1000 / 1100 / 1200

- Indigenous Products
- Max. cutting speed : 100 mm²/min.
- Best surface finish : 1.2~ 1.5 μRa
- Compact footprint
- ePulse Technology
- Windows bases O.S. TRIO Controller
- Online program editing
- Prejog function
- Part programming software “ELCAM”
- Pitch error and backlash compensation
- Hard Held Remote Control Unit



CNC Reusable Wirecut EDM

Technical Specifications

Models	ER300	ER600	ER700	ER800	ER1000	ER1100	ER1200
X,Y Axis Travel (mm)	320 X 250	450 X 350	550 X 450	630 X 500	800 X 630	1000 X 800	1200 X 1000
Worktable Size (WxD mm)	500 X 300	700 X 450	800 X 550	950 X 600	1100 X 700	1300 X 850	1500 X 1100
Job Admit (mm)	300	500	600	800	800	800	1000
Max. Workpiece Weight (Kg)	300	400	500	800	1000	1500	2000
Max. Taper Angle (Deg/mm)	± 3°/80	± 3°/80	± 3°/80	± 3°/80	± 3°/80	± 3°/80	± 3°/80
Wire Diameter (mm) Molywire	0.12~0.18	0.12~0.18	0.12~0.18	0.12~0.18	0.12~0.18	0.12~0.18	0.12~0.18
Best Surface Finish (Ra)	<= 1.5	<= 1.5	<= 1.5	<= 1.5	<= 1.5	<= 1.5	<= 1.5
Max. Cutting Speed (mm/min)	>= 100	>= 100	>= 100	>= 100	>= 100	>= 100	>= 100
Machine Weight (Kg)	1200	1500	1700	2300	2500	5000	6300

Ezeewin Series

WR 300 / 600 / 700 / 1000 / 1100 / 1200

- Indigenous Products
- Max. cutting speed : 100 mm²/min.
- Best surface finish : 1.2~1.5 μRa
- Compact footprint • ePulse Technology
- Windows bases O.S. TRIO Controller
- Online program editing • Prejog function
- Part programming software “ELCAM”
- Pitch error and backlash compensation
- Hard Held Remote Control Unit



CNC Reusable Wirecut EDM

Technical Specifications

Machine Specifications	WR 300	WR 600	WR 700	WR 800	WR 1000	WR 1100	WR 1200
X,Y Axis Travel (mm)	250 x 350	350 x 450	450 x 550	550 x 630	630 x 800	800 x 1000	1100 x 1500
Worktable Size (WxD mm)	320 x 480	480 x 710	570 x 810	650 x 950	750 x 1140	985 x 1350	1200 x 1600
Job Admit (mm)	300	500	600	600	800	800	800
Z axis	Manual	Motorised	Motorised	Motorised	Motorised	Motorised	Motorised
Max. Workpiece Weight (Kg)	250	400	500	700	1000	1500	2000
Max. Taper Angle (Deg/mm)	± 3° /80	± 3° /80	± 3° /80	± 3° /80	± 3° /80	± 3° /80	± 3° /80
Wire Diameter Range (mm)	0.12 ~ 0.18 mm	0.12 ~ 0.18 mm	0.12 ~ 0.18 mm	0.12 ~ 0.18 mm	0.12 ~ 0.18 mm	0.12 ~ 0.18 mm	0.12 ~ 0.18 mm
Molywire Machine Weight (Kg)	800	1050	1200	1750	2200	2800	3200
Foot Print (WxDxH mm)	1480x1010x1400	1600x1270x1700	1700x1430x1700	2000x1750x2000	2200x1980x1900	2500x2100x2000	3000x2550x2300

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ES 300 / 600 / 700 / 1000 / 1100 / 1200

- Lowest Running Cost
- Cutting speed 100mm²/min on steel
- Taper $\pm 3^\circ/80$ mm (higher degrees optional)
- Function of processing different top and bottom parts complex programing
- Auto-handle for short circuit and wire-break
- Functions of auto edge-touching position and auto center finding
- Special circuit for Aluminium Cutting - Optional
- Best surface finish 1.5~1.7 μ Ra
- Windows based AUTOCUT Software
- USB / LCD / Mouse



Technical Specifications

Models	ES300	ES600	ES700	ES800	ES1000	ES1100	ES1200
X,Y Axis Travel (mm)	320 X 250	450 X 350	550 X 450	630 X 500	800 X 630	1000 X 800	1200 X 1000
Worktable Size (WxD mm)	500 X 300	700 X 450	800 X 550	950 X 600	1100 X 700	1300 X 850	1500 X 1100
Job Admit (mm)	300	500	600	800	800	800	1000
Max. Workpiece Weight (Kg)	300	400	500	800	1000	1500	2000
Max. Taper Angle (Deg/mm)	$\pm 3^\circ/80$	$\pm 3^\circ/80$	$\pm 3^\circ/80$	$\pm 3^\circ/80$	$\pm 3^\circ/80$	$\pm 3^\circ/80$	$\pm 3^\circ/80$
Wire Diameter (mm) Molywire	0.12~0.18	0.12~0.18	0.12~0.18	0.12~0.18	0.12~0.18	0.12~0.18	0.12~0.18
Best Surface Finish (Ra)	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
Max. Cutting Speed (mm/min)	≥ 100	≥ 100	≥ 100	≥ 100	≥ 100	≥ 100	≥ 100
Machine Weight (Kg)	1200	1500	1700	2300	2500	5000	6300

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

WS 300 / 600 / 700 / 1000 / 1100 / 1200

- Lowest Running Cost
- Cutting speed 100mm²/min on steel
- Taper $\pm 3^\circ/80$ mm (higher degrees optional)
- Function of processing different top and bottom parts complex programing
- Auto-handle for short circuit and wire-break
- Functions of auto edge-touching position and auto center finding
- Special circuit for Aluminium Cutting - Optional
- Best surface finish 1.5~1.7 μ Ra
- Windows based AUTOCUT Software
- USB / LCD / Mouse



Technical Specifications

Machine Specifications	WS 300	WS 600	WS 700	WS 800	WS 1000	WS 1100	WS 1200
X,Y Axis Travel (mm)	250 x 350	350 x 450	450 x 550	550 x 630	630 x 800	800 x 1000	1100 x 1500
Worktable Size (WxD mm)	320 x 480	480 x 710	570 x 810	650 x 950	750 x 1140	985 x 1350	1200 x 1600
Job Admit (mm)	300	500	600	600	800	800	800
Z axis	Manual	Motorised	Motorised	Motorised	Motorised	Motorised	Motorised
Max. Workpiece Weight (Kg)	250	400	500	700	1000	1500	2000
Max. Taper Angle (Deg/mm)	$\pm 3^\circ/80$	$\pm 3^\circ/80$	$\pm 3^\circ/80$	$\pm 3^\circ/80$	$\pm 3^\circ/80$	$\pm 3^\circ/80$	$\pm 3^\circ/80$
Wire Diameter Range (mm)	0.12 ~ 0.18 mm	0.12 ~ 0.18 mm	0.12 ~ 0.18 mm	0.12 ~ 0.18 mm	0.12 ~ 0.18 mm	0.12 ~ 0.18 mm	0.12 ~ 0.18 mm
Molywire Machine Weight (Kg)	800	1050	1200	1750	2200	2800	3200
Foot Print (WxDxH mm)	1480x1010x1400	1600x1270x1700	1700x1430x1700	2000x1750x2000	2200x1980x1900	2500x2100x2000	3000x2550x2300

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

CNC EDM Column Moving

- 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 μ Ra
- Upgrade Trio Controller with Windows 10 based CNC



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

Mega Series - CNC Pro

MEGA Pro 0 / 1 / 2 / 3

CNC EDM Column Moving

- Best Surface finish 0.2~0.25 μ Ra
- Belt Drive AC Servo Motors
- Definable erosion axis
- Canned orbiting cycles
- Adaptive anti-arc and Flushing control
- C Axis (Option) EROWA /System 3R
- X, Y axis with LM guide & ball screw
- Low wear $\leq 0.12\%$
- Dual feedback system for consistency in precision
- X, Y, Z, axis with LM guide & ball screw
- Direct coupled AC servo for X, Y, Z, axis



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

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CNC EDM

SMART CNC

CNC EDM Table moving

- 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 & Windows 10 based CNC
- Drives – European Technology.
- Definable erosion axis.
- Canned orbiting cycles.
- Adaptive anti-arc and Flushing control.
- SAFE machining circuit.
- Compact Footprint – Moving Table Design.
- Best of 0.3μ Ra



Technical Specifications

Specification	Smart CNC	Smart CNC Plus
Work tank internal dimensions (W x D x H)	800 x 500 x 350 mm	1000x600x350mm
Work table dimensions	550 x 350 mm	600x400mm
Traverse (X,Y,Z)	300x200x250mm	400x300x300mm
Maximum job weight	300 kg	300 kg
Maximum electrode weight (with accessories)	70 kg	100 kg
Maximum job height	250 mm	300 mm

CNC EDM

SMART CNC Pro

CNC EDM Table moving

- Best Surface finish 0.2~0.25 μRa
- Belt Drive AC Servo Motors
- Definable erosion axis
- Canned orbiting cycles
- Adaptive anti-arc and Flushing control
- C Axis (Option) EROWA /System 3R
- X, Y axis with LM guide & ball screw
- Low wear <=0.12%
- Dual feedback system for consistency in precision



Technical Specifications

Specification	Smart CNC Pro	Smart CNC Plus Pro
Work tank internal dimensions (W x D x H)	800 x 500 x 350 mm	1000x600x350mm
Work table dimensions	550 x 350 mm	600x400mm
Traverse (X,Y,Z)	300x200x250mm	400x300x300mm
Maximum job weight	300 kg	300 kg
Maximum electrode weight (with accessories)	70 kg	100 kg
Maximum job height	250 mm	300 mm

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Mega Series - ZNC

MEGA 0 / 1 / 2 / 3

- Fixed bed moving column structure, versatile for job machining
- Programmable 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 μ 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 850 / 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 μ Ra



Technical Specifications

Specification	Unit	Yuva 850	Yuva 1050	Yuva 1260
Travel X, Y, Z (Back slide)	mm	500 X 400 X 250 (200)	600 X 450 X 250 (300)	700 X 500 X 250 (300)
Work Tank Size	mm	1250 X 750 X 500	1420 X 850 X 550	1500 X 1000 X 620
Table Size	mm	800 X 500	1000 X 500	1200 X 600
Maximum work piece weight	kg	1200	1500	2000

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Mint Series - (M / ZNC)

MINT 55/55Z, 60/60Z, 60Z Plus

ZNC EDM Table Moving

- Very low power consumption
- Day/Night mode for 24 hr. operation
- Auto positioning with audiovisual signal
- Multistage anti-arc in-built
- Reverse servo sparking
- Optimum performance
- Ball screw for x, y axes
- Impulse Flushing
- AC servo with speed-up function (only ZNC)
- Manual or ZNC Controller
- Surface finish 0.8 μ Ra (Manual) / 0.3 μ Ra (ZNC)



Technical Specifications

Specification	Unit	Mint-55/55Z	Mint 60/60Z	Mint 60Z Plus
Travel X, Y, Z	mm	300x200x250	400x300x250	400x300x250+250
Work Tank Size	mm	800x500x350	1000x600x400	1000x600x400
Table Size	mm	550 x 350	600x400	600x400
Maximum work piece wt.	kg	50	300	50

Electric Discharge Machine

EDM Drill Series SMART DRILL

- Small hole drilling in hard metals
- Both brass and copper electrode tubes can be used
- Large drilling range
- Tap water is used as dielectric fluid
- Granite work table ensures longer life
- Compact footprint
- L/D Ratio 90~100



Technical Specifications

Machine Specifications	Smartdrill 4030	Smartdrill 4535	Superdrill 4535	Smartdrill 4535XL	Smartdrill 6040	Smartdrill 4030 CNC
X,Y Axis Travel (mm)	400 x 300	450 x 350	450 x 350	450 x 350	600 x 400	400 x 300
Worktable Size (WxD mm)	440 x 320	490 x 370	490 x 370	490 x 370	850 x 550	440 x 320
Job Admit (mm)	400	400	400	400	400	400
Z axis	300 + 280	380 + 280	380 + 280	350 + 200	450	300 + 280
Max. Workpiece Weight (Kg)	300	300	300	500	500	300
Electrode Diameter Range (mm)	0.3 ~ 3.0 mm	0.15 ~ 3.0 mm	0.10 ~ 3.0mm	0.3 ~ 3.0 mm	0.3 ~ 3.0 mm	0.3 ~ 3.0 mm
Max. Cutting Speed (mm/min)	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60
Max. Coolant Pressure	6 MPA	6 MPA	6 MPA	6 MPA	6 MPA	6 MPA
Machine Weight (Kg)	650	700	700	1300	1500	650

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CNC Vertical Machining Center

Die & Mould Series -

Vertical Machining Centers



ARJUN PLUS V600 / V800 / V1100 / V1400

- 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.
- Mitsubishi M80B controller (Fanuc optional)

Technical Specifications

Specification	ARJUN Plus V 600	ARJUN Plus V 800	ARJUN Plus V 1100	ARJUN Plus V 1400
Axis Travel				
X-Travel	600mm	800mm	1100mm	1400mm
Y-Travel	500mm	500mm	600mm	800mm
Z-Travel	500mm	500mm	600mm	700mm
Spindle Nose to Table Surface	100-650mm	100-600mm	100-750mm	150-850mm

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Surface Grinders

SEMI AUTO / CNC

- Plastic coated counter guide in X & Y Axis assure a low slip-stick-effect
- V Flat longitudinal table guide, double V cross table guide Spindle features axial & radial clearance free pre-tensioned bearings
- Solidly constructed and well supported structure assures high stability
- Vertical feed with electric motor
- Semi Automatic Type (Option of Automatic with AC servo motor for Z Axis with PLC)



Technical Specifications

Specification	ESG 6030	ESG 8040	ESG 10040
Table dimensions (mm)	300 x 600	400 x 800	400 x 1000
T-slot quantity / width (mm)	"1/14	"1/14	"1/14
Electric magnet clamping Plate (mm)	300 x 600	400 x 800	400 x 1000
Max. travel, longitudinal (mm)	640	830	1030
Max. travel, cross (mm)	320	420	420
Max. distance spindle / table (mm)	520	490	490
Max. Work piece weight including magnet	200	270	320

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 (ISO 30 Option)
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



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CNC Double RAM EDM



CNC 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

CNC / 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.



CNC DRILL EDM

CNC / ZNC DRILL EDM

- 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



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Engraving

electronica-**YMC**

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

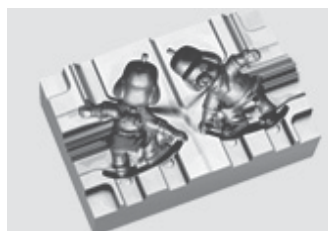


DESCRIPTION	UNIT	YMC 4535	YMC 5040	YMC 6050	YMC 7060	YMC 8070	YMC 1080	YMC 1080B
Axes Travel X / Y / Z	mm	350/450/150	400/500/160	500/600/230	600/700/270	700/700/300	1000/800/350	850/1050/350
Spindle Nose to Work Table Surface	mm	50-200	190-350	130-360	100-370	90-390	110-460	110-460
Table								
Table 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
Feed Rate								
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
Spindle								
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
CNC SYSTEM								
LNC528								
Accuracy As per ISO230-2								
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
(OPTIONAL -AUTOMATIC TOOL CHANGER)	No	-	-		(Line-6) (Corousal, 8/12/16)	(Line-6) (Corousal, 8/12/16) (Umbrella 12/16)	(Line-6) (Corousal, 8/12/16) (Umbrella 12/16)	(Line-6) (Corousal, 8/12/16) (Umbrella 12/16)
General Machine Specifications								
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

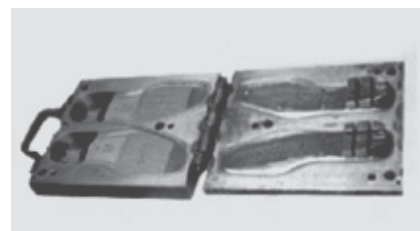
- Jewellery Industry



- Mould and Die Making



- Shoe Industry



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Heavy duty Large C frame Machining Centres

electronica-**FullLand**

- 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



DMC -2518

■ X-axis: 2500mm
■ Y-axis: 1700mm
■ Z-axis: 900mm
■ Distance between columns: 1800mm



DMC -4018

■ X-axis: 4000mm
■ Y-axis: 1700mm
■ Z-axis: 900mm
■ Distance between columns: 1800mm

DMC -5018

■ X-axis: 5000mm
■ Y-axis: 1700mm
■ Z-axis: 900mm
■ Distance between columns: 1800mm



DMC -3022

■ X-axis: 3000mm
■ Y-axis: 2100mm
■ Z-axis: 1000mm / (op)1200mm
■ Distance between columns: 2200mm

DMC -4022

■ X-axis: 4000mm
■ Y-axis: 2100mm
■ Z-axis: 1000mm / (op)1200mm
■ Distance between columns: 2200mm

DMC -5022

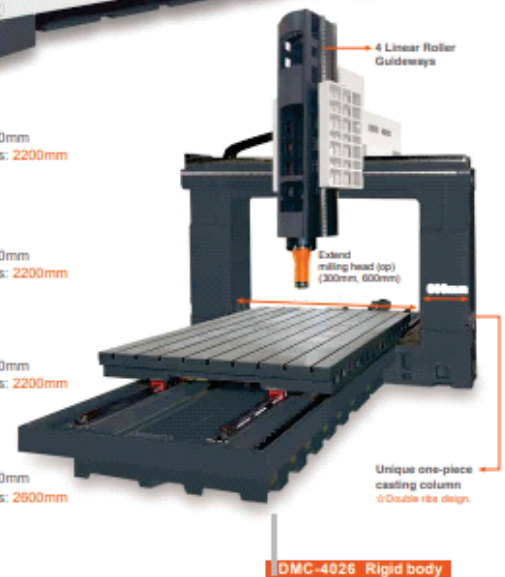
■ X-axis: 5000mm
■ Y-axis: 2100mm
■ Z-axis: 1000mm / (op)1200mm
■ Distance between columns: 2200mm

DMC -4026

■ X-axis: 4000mm
■ Y-axis: 2500mm
■ Z-axis: 1000mm / (op)1200mm
■ Distance between columns: 2600mm

DMC -5026

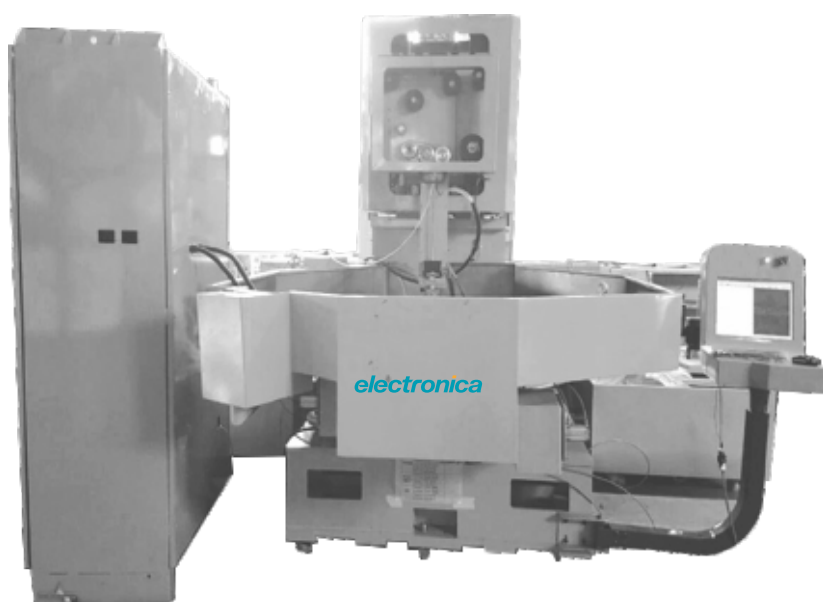
■ X-axis: 5000mm
■ Y-axis: 2500mm
■ Z-axis: 1000mm / (op)1200mm
■ Distance between columns: 2600mm



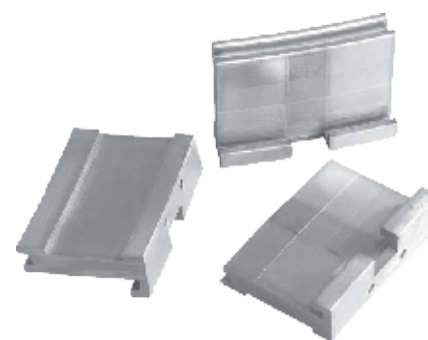
DMC-4026 Rigid body

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

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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)

EDM Suppliers SHOPPE

WEDM Wire



Wire Guides

EDM Oil



Current Pickups

Flushing Nozzles



Add-on Filtration Systems
For EDMs & CNC Wirecut EDMs

Standalone Generators
for old EDMs & WEDMs



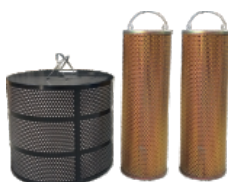
Filters



Ion Exchange Resin



Coreless Brass Electrodes



CONSUPACK for various models availables

One-Stop-Shop for Consumables, Accessories & Services

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Today, we take pride in being India's oldest and most trusted manufacturer of resistance welding equipment for diverse industrial applications.

Popularly known as JHS, Jaya Hind Sciaky specializes in complex and demanding industrial welding solutions. Our portfolio includes a wide range of innovative, high-value welding systems and welded wire mesh manufacturing machines, designed to deliver reliability, efficiency, and performance.

As part of the Poddar Group, Kolkata, JHS is steadily strengthening its position as a leader in the industrial welding segment in collaboration with JH Sciaky Ltd. The Poddar Group, with interests spanning engineering and tea, continues to fuel our growth and innovation.

For more information, visit: jayahindsciaky.com



Ralli is a trusted name in the Indian agricultural machinery market, with a legacy of over five decades of quality and durability. Established in 1972 through a collaboration between Rallis India Ltd. and JLO, West Germany, Ralli Engines quickly became a pioneer and leader in the 35 cc engine segment. Today, Ralli offers a comprehensive range of advanced plant protection equipment.

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