

EDMs

CNC Wirecut EDMs

**EDM
Consumables**

Engraving

**Industrial
Automation**

Robotics

**Advanced
technology solutions
yet simple,
reliable & efficient**

Lead with the leader


electronica
machine tools

www.ElectronicaEMT.com



About Electronica

Electronica Machine Tools Ltd., with its 35 years of experience 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 and excellent customer relations.

At Electronica Machine Tools Ltd., 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 and thousands of jobbers in India and abroad.

Electronica Machine Tools Ltd. has also partnered with some of the world's leading companies to offer you appropriate Industrial Automation solutions. These solutions encompass a wide range right from a simple drive to high-end Robotics and SPMs.

Read on. Discover more. For greater delight.



Ultima Series

Submerged type & Flush type

Common Features

- Compact footprint
- Directly coupled AC servo motors
- Wire spool capacity : 8 kg
- Stainless steel, non-corrosive, hardened, square work table
- Resin bowl of 20 lit. capacity
- LCD touch panel
- Compact wire chopper
- Optional Auto Wire Threading (AWT)



High-Precision, High-Speed

Specifications

	New ULTIMA 0 *		ULTIMA 1		ULTIMA 2		New ULTIMA 3 *	
	F	S	F	S	F	S	F	S
Main axes traverse	320 x 220 mm		500 x 300 mm		400 x 300 mm		600 x 400 mm	
Max. workpiece height	200 mm		260 mm		250 mm		350 mm	
Max. workpiece weight	300 kg		500 kg		800 kg		1000 kg	
Aux. axes traverse	80 x 80 mm		100 x 100 mm		120 x 120 mm		120 x 120 mm	
Max. taper angle	30°/50 mm		35°/50 mm		35°/50 mm		35°/50 mm	
Max. cutting speed	250mm ² /min. (with 0.30 mm dia. Special wire on 50 mm workpiece height)							
Best surface finish	0.39μ Ra		0.39μ Ra		0.39μ Ra		0.39μ Ra	

*Available after July 2010

Sprintcut

- X x Y : 300 x 400 mm
- Max. workpiece height : 200 mm
- Max. table size : 440 x 650 mm
- Max. cutting speed : 160 mm²/min.
- Taper : ± 30° over 50 mm
- Best surface finish : 0.8 μ Ra
- ePulse technology



Optimised features, Versatile applications

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 : ± 8° over 50 mm
- Best surface finish : 1.2 μ Ra
- Compact footprint
- ePulse technology



Beginners' choice

EZEECUT Plus

- Lowest running costs
- Closed loop X, Y with linear scales
- Reciprocating Brass / Molybdenum wire
- Max. cutting speed :
60 mm²/min. on Steel (HCHCr / WPS)
120 mm²/min. on Aluminium
- Surface finish : 1.2~1.5 μ Ra (with multi-pass)
- Taper : ± 3°/100 mm
- Inbuilt 2 axes DRO



Entry level WEDM

Xpert 2 / 1

CNC EDM

- X x Y x Z : 800 x 600 x 400 mm (Xpert 2)
 : 400 x 300 x 300 mm (Xpert 1)
- Work tank : 1800 x 1000 x 600 mm (Xpert 2)
 : 900 x 600 x 350 mm (Xpert 1)
- 'No flush - No arc' machine
- Definable erosion axis
- ATC and Integrated C axis (optional)
- Moving head, fixed table
- High-speed jump 5000 mm/min.
- Built-in 'GURU'
- Drop door tank (Xpert 2)



Expertise at your fingertips



Smart CNC

CNC EDM

- X x Y x Z : 300 x 200 x 250 mm
- Work tank : 800 x 500 x 350 mm
- Moving table type design
- Definable erosion axis
- High-speed jump 1500 mm/min.
- Built-in 'GURU'



Smart CNC solution

Smart ZNC

ZNC EDM

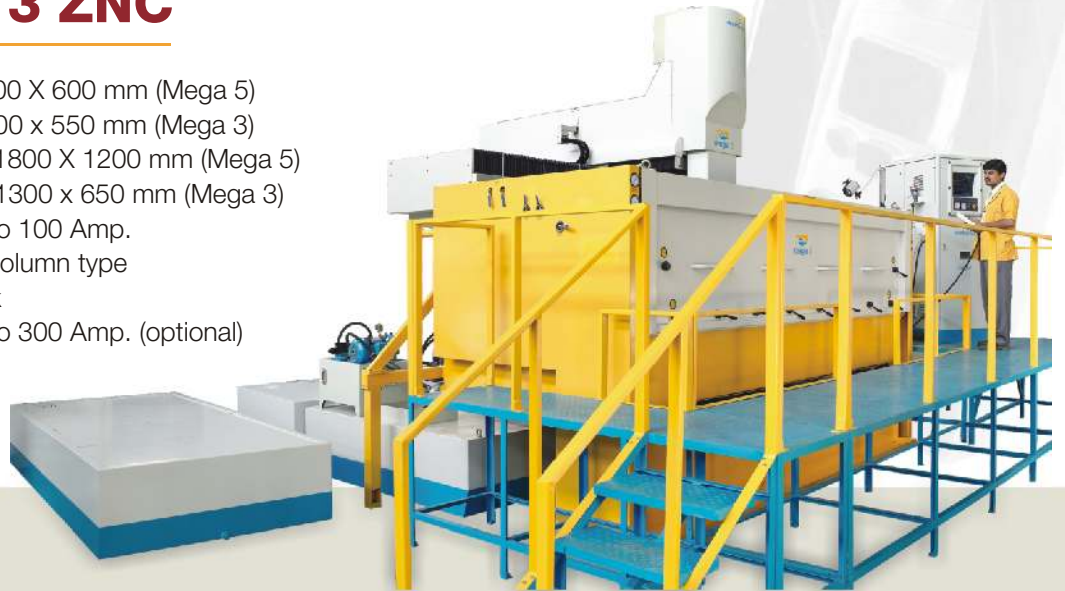
- X x Y x Z : 300 x 200 x 250 mm
- Work tank : 800 x 500 x 350 mm
- Programmable Z axis
- 99 programs,
 50 steps per program
- Hand-held remote control
- Built-in 'Ez - GURU'
- Head orbital (optional)



Smart solution for mould making

Mega 5 & 3 ZNC

- X x Y x Z : 2100 X 800 X 600 mm (Mega 5)
: 1200 x 600 x 550 mm (Mega 3)
- Work tank : 3500 X 1800 X 1200 mm (Mega 5)
: 2000 x 1300 x 650 mm (Mega 3)
- Pulse generator up to 100 Amp.
- Fixed table moving column type
- Drop door work tank
- Pulse generator up to 300 Amp. (optional)



Think big

Mega 2, 1, 0 ZNC

Mega 2 / Mega 1

- X x Y x Z : 650 x 550 x (280+350) (Mega 2)
: 550 x 450 x (220+330) mm (Mega 1)
- Work tank : 1750 x 1060 x 525 mm (Mega 2)
: 1440 x 860 x 500 mm (Mega 1)
- Fixed column, moving table ➤ Double door work tank
- Pulse generator up to 200 Amp. (optional)

Mega 0

- X x Y x Z : 450 x 350 x (200+200) mm
- Work tank : 1110 x 660 x 400 mm
- Programable Z axis ➤ Hand-held remote control
- 99 programs, 50 steps per program
- Built-in 'Ez - GURU'
- Fixed column, moving table
- Double door work tank



Conquer your market

EDS 1000 / 500 / 300

- Max. Workpiece size : 1000 x 1000 mm
500 x 500 mm
300 x 300 mm
- Max. cutting speed : 10 to 15 cm² / min.
- Lower running costs
- Sawing of hard metals and exotic metals such as titanium, stainless steel, super alloy, inconel, cast steel, etc.
- Motorised conveyor loading (optional)



Fast cutting of hard metals

500 x 300

- X,Y,Z : 280 x 200 x 250 mm
- Work Tank : 725 x 415 x 315 mm
- DC Servo with speed-up function
- Integral design with compact footprint
- NRB for co-ordinate table
- Ergonomically designed control panel
- Day/Night mode for 24 hours operation
- Reverse servo for reverse sparking
- Reverse polarity for easy operation



Economy plus performance

400 x 250

- X,Y,Z : 220 x 150 x 150 mm
- Work Tank : 650 x 400 x 280 mm
- DC Servo with speed-up function
- Integral design with compact footprint
- NRB for co-ordinate table
- Ergonomically designed control panel
- Day/Night mode for 24 hours operation
- Reverse servo for reverse sparking
- Reverse polarity for easy operation



A cost-effective solution

Rapidrill -II

- X,Y,Z : 350 x 250 x 350 (+300) mm
- Work tank : 800 x 450 mm
- Drilling capacity : 0.3 mm to 3.0 mm dia.
- Granite work table
- Brass and Copper tubes as electrodes
- Water / Coolant soap as dielectric



fast drilling in hard metals

Engraving

CNC Engraving Machine



BEIJING JINGDIAO CO.LTD., China

JINGDIAO



➤ Jewellery Industry



Applications

➤ Watch Industry



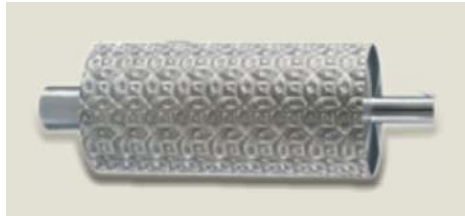
➤ Printing & Packaging Industry



➤ Hardware Batch Products



➤ Clothing and Bag Industry



➤ Eyeware Industry



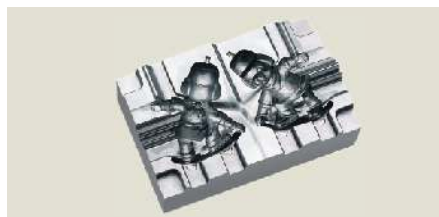
➤ Electrode Machining



➤ Shoe Industry



➤ Mould and Die Making



➤ Metal Machining



EDM Supplies SHOPPÉ

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



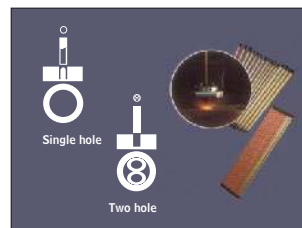
Filters



Ion Exchange Resin



Coreless Brass Electrodes



CONSUPACK for various models available

Industrial Automation

Industrial Automation focuses on the following Key Business Growth Areas :

Assembly Automation

We provide complete assembly automation lines with help from Lan Bi, Spain for Pedal Box, Handle Brake, Shock Absorber, Transmission, Engine, Steering, Hinges, Tie Rods for various world-class automotive manufacturers.



Machine Tool Solutions

Along with the global leader Lan Bi, Spain, we provide customised machine tool solutions ideal for aeronautics, railways, wind energy, construction and automotive sectors.



Robotics & Automation Solutions

Electronica, in channel partnership with ABB Robotics, Offers Robotics & Automation Solutions for -



Pharmaceutical



Aerospace



F & B



Nuclear



Automotive



FMCG



Defence



Aviation Sectors



ABB Robotics Family

Flow Forming

Along with the world leader, Denn, Spain, we provide state-of-the-art CNC Spinning and Flow-forming solutions to the aerospace, defence, automotive and aviation Sectors.



Control Systems Solutions

Perfectly tailored, integrated, advanced and complete solutions for all automation needs such as motors, drives, amplifiers, motion controllers and CNC Controllers.



Motors & Drives



VM Series Induction Servo / Spindle Motor

- Range : 0.75 kW to 356 kW



AC Servo Motors and Drives

- Range : 1.27 Nm to 95 Nm



PDS Universal AC Drive All-in-one powerful performance

- Range : 2.2 kW to 30 kW



Motion Control Boards

- PCI, ISI & PC 104 formats
- Standalone or bus configurable
- 1 to 32 axes



Motion & Controllers

Motion Control Systems (UMAC)

- Motion control board and accessories up to 32 axes in 3U rack form



Geo Series Amplifiers

- Combination of motion controller and drives - 1 to 8 axes



Advantage Series CNC Controllers

- PC-based console and custom-configurable GUI



Softwares

- Development tool for Delta Tau products



Turnkey Solutions

We provide turnkey solutions to projects for diverse set of industries and research establishments. We also undertake projects for Public and Government Sectors.

Contract Manufacturing

We execute projects and systems as per the customer's design and documentation. OEM suppliers to various industry verticals.

Manufacturing Execution Solutions

Along with Pentamaster, Malaysia, we offer advanced and intelligent automation solutions for Shopfloor Management Systems, Warehouse Management Systems and Automatic Storage and Retrieval Systems for diverse industries.





International Presence



Argentina



Australia



Brazil



China



Egypt



Germany



Malaysia



Russia



Saudi Arabia



South Africa



Turkey



UAE

- Bahrain • Bangladesh • Belgium
- Chile • Indonesia • Iran • Italy
- Jordan • Kenya • Lebanon
- Mauritius • Mexico • New Zealand
- Nigeria • Poland • Singapore
- Sri Lanka • Syria • South Korea
- Taiwan • Tunisia • Vietnam
- Venezuela • Yemen

Nationwide Sales & Service Network

North Zone

East Delhi

Tel. : 011-32212151 / 9313331069

E-mail : eastdelhi@electronicagroup.com

Faridabad

Tel. : 0129-3269750 / 9313349204

E-mail : faridabad@electronicagroup.com

Kanpur

Tel. : 0512-3259890 / 9313331069

E-mail : kanpur@electronicagroup.com

Gurgaon

Tel. : 0124-4084166 / 09311858996

E-mail : gurgaon@electronicagroup.com

Ludhiana

Tel. : 0161-3259810 / 9316825725

E-mail : ludhiana@electronicagroup.com

West Zone

Mumbai

Tel. : 022-32531959 / 9323739767

E-mail : mumbai@electronicagroup.com

Baroda

Tel. : 0265-3258910 / 9327225612

E-mail : baroda@electronicagroup.com

Pune

Tel. : 20-2423 2900 / 9372464439

E-mail : pune@electronicagroup.com

Aurangabad

Mobile : 9372464439

E-mail : sdd_epna@electronicagroup.com

South Zone

Chennai

Tel. : 044-23740286 / 9382847342

E-mail : chennai@electronicagroup.com

Coimbatore

Tel. No. : 0422-3298296 / 9344126658

E-mail : coimbatore@electronicagroup.com

Bangalore

Tel. : 080-32210497 / 9342395723

E-mail : bangalore@electronicagroup.com

Hyderabad

Tel. : 040-32987568 / 9391376831

E-mail : hyderabad@electronicagroup.com

East Zone

Kolkata

Tel. : 033-24540910 / 9339866636

E-mail : kolkata@electronicagroup.com



ELECTRONICA MACHINE TOOLS LTD.

Elektra House, 691/1A, Pune-Satara Road, Pune - 411 037 INDIA Tel. : +91-20-2423 2900 Fax : +91-20-2423 2907

E-mail : eedm@electronicagroup.com Please direct overseas enquiries to : vrn@electronicagroup.com