



WIRE-CUT EDM MACHINE



Instrument Incharge:

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Laser surface modification and
coating technology

Basic technical details:

- Make: Electronica India Limited
- Model: ELPULS 50/ Eurocut Mark-I
- Location: Non-traditional Machining laboratory
- Status: Functional

Principle: Electrical spark erosion generates heat which cut the electrically conductive material.

Application: Cutting complex profile and used for sample preparation

Experiment and charges:

- Name of experiment: Sample cutting
- Service units: per hour (Minimum 1 hr slot booking)
- Internal user charges: Rs. 300/hour
- External academic and institutional charges: Rs. 600/hour
- Industry: Rs. 1200/hour
- Available for slot booking: Yes



National Institute of Advanced Manufacturing Technology

Ranchi, Jharkhand-834003

Department of Mechanical Engineering

Requisition form for Wire-cut EDM (For Internal users)

Date: _____

Name of the user:	Name of the supervisor:
Course: Ph.D. / M. Tech / B. Tech / ADC	Department:
Contact No.	No. of Samples submitted:
Email ID:	Nature of samples: Hazardous / Non-hazardous

Sample details:

S No.	Sample Name	Material details	Length (mm)	Width (mm)	Height (mm)	Remarks, if any

Signature of user

Signature of supervisor

Signature of HOD

For Laboratory Use

Date of Completion:

Signature of Technician

Details of Payment

Name of the user/payer:	
No. of samples:	
No. of 1 hr. slot required:	
Total amount paid:	Rs.
Date of Transaction:	
Mode of Payment:	UPI app (G-Pay / Phonepe / Paytm / Whatsapp / others) / NEFT / IMPS
Transaction ID:	
Copy of transaction attached:	Yes / No

Signature of user



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Requisition form for Wire-cut EDM (For External users)

Date: _____

Name of the user:	Name of the supervisor:
Designation of user:	Department:
Name and address of the institute /Industry:	
Contact No.	No. of Samples submitted:
Email ID:	Nature of samples: Hazardous / Non-hazardous

Sample details:

S No.	Sample Name	Material details	Length (mm)	Width (mm)	Height (mm)	Remarks, if any

Signature of user

Signature of supervisor

Signature of Head/In-charge

For Laboratory Use

Date of Completion:

Signature of Technician

Details of Payment

Name of the user/payer:	
No. of samples/test to be done:	
No. of 1 hr. slot required:	
Total amount paid:	Rs.
Date of Transaction:	
Mode of Payment:	UPI app (G-Pay / Phonepe / Paytm / Whatsapp / others) / NEFT / IMPS
Transaction ID:	
Copy of transaction attached:	Yes / No

Signature of user



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Requisition form for Wire-cut EDM (For CPDA users)

Date: ___/___/___

Name of the user : Name of the supervisor :
Designation of user : Department :
Name and address of the institute /industry :
Contact No. : No. of Samples submitted :
Email ID : Nature of samples: Hazardous / Non-hazardous

Sample details:

Sl. No.	Sample Name	Material details	Length (mm)	Width (mm)	Height (mm)	Remarks, (if any)

Details of Payment

No. of samples/test to be done:	
No. of I hr. slot required:	
Total amount aid:	
Total amount to be deducted from	CPDA of Prof./Dr.

Details are entered in CPDA register book at page No. _____ and serial no. _____

Signature of user Signature of supervisor Signature of Lab In-charge Signature of HoD

For MODERN MACHINING Laboratory/office use – EDM Facility

Details are entered in Modern Machining Lab register book at page no. _____ and serial no. _____

Date of Completion: ___/___/20___

Signature of Technician