



# National Institute of Advanced Manufacturing Technology

## Ranchi, Jharkhand-834003

### WIRE-CUT EDM MACHINE



#### **Instrument Incharge:**

*Dr. Anand M. Murmu*  
Assistant Professor, Department  
of Mechanical Engineering  
Mob. -+917970887657  
Email ID: anandm@niamt.ac.in  
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



# National Institute of Advanced Manufacturing Technology

Ranchi, Jharkhand-834003

## Department of Mechanical Engineering

### 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



**National Institute of Advanced Manufacturing Technology**  
**Ranchi, Jharkhand-834003**  
**Department of Mechanical Engineering**

**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:**

S 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**

**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

*Note: Duly filled SP-02 form needs to be attached with this requisition form.*