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| C:\Users\User\AppData\Local\Microsoft\Windows\INetCache\Content.Word\wedm.png | **WIRE ELECTRIC DISCHARGE MACHINE**  **Name of the equipment:**  Wire Electric Discharge Machine  **Make & Model:**  Electronica, ECOCUT-11  **I-Stem Registration ID-**  **3224894**  **Category of Instrument**  Production Engineering  **Types of Analysis / Testing**  Metal Cutting  **Application:**  Precision cutting of hard materials, cutting of complicated shapes, Cutting of small and delicate parts  **Description of Instrument**  Capable to perform non-contact 3D contouring, cutting die-making  with a travelling electrically conductive wire as the tool electrode |

**Booking Details**

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| **Book through I-STEM:**  <https://www.istem.gov.in/>  **Slot Booking Link**  [I-STEM Slot Booking link for External User](https://www.istem.gov.in/equipment-info/24894/CNC-WIRE-EDM-Ecocut-II) | **Booking available for**  Internal and External Both  **Requisition form for**  Internal  External |

**Contact Details**

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| **Faculty In-charge:**  Dr. Vikash Kumar  **Email ID:**  [vikash@nitc.ac.in](mailto:vikash@nitc.ac.in)  **Phone number:**  +91-8638366093 | **Technical Staff:**  Sanal PR (TA SG I)  [sanal@nitc.ac.in](mailto:sanal@nitc.ac.in)  Jithin Krishna M (TA)  [jithinkrishnam@nitc.ac.in](mailto:jithinkrishnam@nitc.ac.in)  Jijeesh k (ST)  [jijeeshk@nitc.ac.in](mailto:jijeeshk@nitc.ac.in) | **Department**  MED  **Office Email ID**  [medoffice@nitc.ac.in](mailto:medoffice@nitc.ac.in)  **Location**  Production Engineering Lab  Production Block  **Lab Phone No**  0495-2286450 |

**Features, Working Principle and Specifications**

**Instrument Technical Description and Major Specifications:**

Max Table size : 370 x 600 mm

Main table traverse (X,Y) : 250, 350 mm

Max work piece height : 200 mm

Max work piece weight : 300 kg

Max taper cutting angle : +5ᵒ/100 mm

Dry run speed : 80 mm/min

Wire diameter : 0.25 mm

Min resolution for X,Y,U,V : 0.001 mm

Max work piece height : 250mm

**Type of sample Required:** Conducting Samples only

**User Charges Rs. (GST Extra)**

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| **Internal** | **External Academic Institutes** | **National R&D Lab** | **Industry** |
| 200/- per hour | 250/- per hour + GST | 250/- per hour + GST | 250/- per hour + GST |