

Department of Mechanical Engineering, NIT Calicut

CNC WIRE ELECTRIC DISCHARGE MACHINE

Photo of Instrument:



Instrument Name	CNC WIRE ELECTRIC DISCHARGE MACHINE
Instrument Model & Serial No.	Ecocut & 53/1516
Instrument Make	Electronica
Category of Instrument	Advanced Manufacturing facility
Description of Instrument	Capable to perform non contact 3D contouring, cutting, die-making with a travelling electrically conductive wire as the tool electrode.
Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)	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 +5°/100 mm Dry run speed 80 mm/min Wire diameter 0.25 mm Min resolution for X,Y,u,v 0.001 mm
Application of Instrument (Limited	Precision cutting of hard materials Cutting of complicated shapes

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to Major 4 or 5)	Cutting of small and delicate parts
Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) Guidelines for Sample Submission – User Instructions	Conducting Samples only
Types of Analysis / Testing	Machining
Faculty In-Charge Name / Email / Contact	Dr Jose Mathew 0495 2286405 josmat@nitc.ac.in Dr. R. Manu 8547078925 manu@nitc.ac.in
Technical Staff Name / Email / Contact	Mr. Sanal P R sanal@nitc.ac.in 9497186556
Location of Instrument	CNC EDM Centre Production Engineering Lab
Other Details	

User Charges

S.NO.	Type of Analysis / Testing	Internal - within Department of NITC	Internal - Other Departments NITC	External Academic Educational Institutes	National R & D Labs	Industry
1	Machining	200/hour	200/hour	200/hour	200/hour	200/hour

Slot Booking and Payment Work Flow: