Department of Mechanical Engineering, NIT Calicut

KISTLER MINI DYNAMOMETER

Photo of Instrument: 	
Instrument Name	KISTLER MINI DYNAMOMETER (9652C)
Instrument Model & Serial No.	KISTLER MINI DYNAMOMETER (9652C)
Instrument Make	KISTLER
Category of Instrument	Advanced Manufacturing facility
Description of Instrument	**Mini Dyn Multicomponent Dynamometer**
Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)	Measuring range (Fx, Fy, Fz): -250 – 250 N, Measuring range (Mx, Mz):-11 – 11 Nm Sensitivity (Fx, Fz): ~ -26 pC/N; Sensitivity (Fy): ~ -13 pC/N
Application of Instrument (Limited to Major 4 or 5)	Cutting force and cutting moment (6 components) measurements.
Type of Sample Required for Analysis / Testing (Quantity, Pre-Preparation, State etc.) **Guidelines for Sample Submission – User Instructions**	Metallic/composite/alloys etc. Maximum size usually limited 75mm x 35mm
Types of Analysis / Testing	Cutting force and moment analysis
Faculty In-Charge Name / Email / Contact	Dr Jose Mathew 0495 2286405

	josmat@nitc.ac.in
Technical Staff Name / Email / Contact	Mr. Sanal P R sanal@nitc.ac.in 9497186556
Location of Instrument	Micro Machining centre , Production Block
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	Cutting force	250/hour	250/hour	250/hour	250/hour	250/hour

Slot Booking and Payment Work Flow: