Department of Mechanical Engineering, NIT Calicut

KISTLER -DYNAMOMETER (9257B)

Photo of Instrument: 	
Instrument Name	MULTICOMPONENT DYNAMOMETER (KISTLER – 9257B)
Instrument Model & Serial No.	KISTLER -DYNAMOMETER (9257B)
Instrument Make	KISTLER
Category of Instrument	Advanced Manufacturing facility
Description of Instrument	**Multicomponent Dynamometer for force and moment measurement during machining**
Instrument Technical Description and Major Specifications (This Specifications Limited to Major 5)	Range (Fx, Fy, Fz): -5 – 5 kN Sensitivity (Fx, Fy) : ~ -7.5 Sensitivity (Fz): ~ -3.7 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 100mm x 100mm

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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 Labs	Industry
1	Cutting force	200/hour	200/hour	200/hour	200/hour	200/hour

Slot Booking and Payment Work Flow: