Model LV 45 Controller Machining are Table size Max. spindle speed 8000 rpm Tool storage capacity 16 Max. tool diameter 80 mm Max. tool Lenath 160 mm Max. tool weight 8 kg Spindle Taper BT 40 LMW Make

Fanuc series Oi mate - MD 450 x 350 x 350 mm 600 x 350 mm

Charaes

Usage of Equipment : Rs. 400 / hr Consultancy Charge : Rs. 500 / Day

Make Controller Chuck dia Max. Turning dia Max spindle speed 3000 rpm No. of Stations Tool shank size Max. boring bar dia 32 mm Quill taper Turret Indexina

Fanuc series of mate - TD 135 mm 150 mm 8 nos 20 x 20 mm MT4 Hydraulic

LMW Smart Jr

Charges

CNC TURNING CENTRE

Usage of Equipment : Rs. 250 / hr Consultancy Charge : Rs. 500 / Day

FATIGUE TEST

Max Bending Moment 400 kg.cm Load (Adiustable) **Gripping Diameter Testing Diameter** Lenath **Rotating Speed**

5- 80 ka 12 mm 8 mm 226 mm 4200 rpm

Charges Usage of Equipment : Rs. 300 / Sample Consultancy Charge : Rs. 300 / Day

Type Measuring Range **COORDINATE MEASURING MACHINE** Maximum Part Weight 120 Kgs Maximum Part Height Software Resolution Operation Platform load capacity **Touch Probe** Z-axis Balance

Bridge type CMM 300 X 200 X 200 mm 250 mm IK 5000 / MSU3DPro 0.001 / 0.0005/0.0001 mm Manual 1000 kg Renishaw Counter Wt.

Charges

etails

Q

Contact

Usage of Equipment : Rs. 250 / Sample Consultancy Charge : Rs. 250 / Day

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Arasur, Coimbatore - 641 407

CENTRE FOR MACHINING AND MATERIALS TESTING (CMMT)

Department of Mechanical Engineering

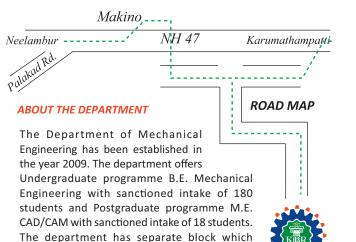


ABOUT THE INSTITUTION

KPR Institute of Engineering and Technology (KPRIET), established in the year 2009 by KPR Charities. KPRIET approved by AICTE, New Delhi and affiliated to Anna University, Chennai, is dedicated for an unparalleled learning experience. This commitment is best reflected in its vision to become a globally recognized institute of engineering and technology by the year 2020. KPRIET is located on sprawling150 acres of lush green campus with 5.7 lakh sq ft state-of-the-art buildings. Students and staff at KPRIET take great pride in the main features of the institute such as worldclass infrastructure, top-flight faculty, well stocked library, high pass percentage, excellent placement record, unique student projects etc...This commitment to excellence is supported by a strong team of experienced professionals. In short, KPRIET stands tall as one of the best destinations for world class education.

The institute offers,

Under Graduate Programmes Biomedical | Chemical | Civil | CSE | ECE | EEE | Mechanical Post Graduate Programmes CAD | CAM | CSE | Structural | VLSI Ph. D. Programmes Civil | CSE | ECE | Mechanical | Physics | Chemistry



includes state-of-art laboratories, CAD/CAM Centre with advanced software and department library. The department promotes smooth and good relations with Human Resources and

Technical Experts from industries. Also the department encourages students to take part in industrial visits, internships and in-plan training.

KPRIEnT

CENTRE FOR MACHINING AND MATERIALS TESTING (CMMT)

- Stir Casting Setup
- Wear Testing Apparatus
- Ball Milling
- CNC Turning Centre •
- Vertical Machining Centre
- Surface Roughness tester
- Fatigue Test

SETUP

CASTING

BALL MILLING

- Double Disk Polishing Machine
- Specimen Mounting Press
- Image Analysis System
- Coordinate measuring machine
 - Profile Projector mach
- Linisher Polisher

Furnace Capacity	2Kg	
Мах. Тетр.	1000 C	
Stirrer	0 to 1000 rpm	
Temperature Control	PID	
MS Die	30 dia x 300 mm	
	25 dia x 150 mm	
Square	25 x 25 x 150 mm	
Flat	75 x 150 x 10 mm	
Manual Bottom Pouring		

Charaes

Usage of Equipment : Rs. 750 / Sample Consultancy Charge : Rs. 500 / Day

Powder input arain size 30 to 70 microns Output powder size Near Nano Size Main Disc Speed 400 rpm Max. Wt. of Powder in one Bowl 125 gm

Charges

Usage of Equipment : Rs. 75 / hr Consultancy Charge : Rs. 200 / Day

SPECIMEN MOUNTING PRESS

Sample Size 30mm dia. x 40mm ht. (max.)

Charges Usage of Equipment : Rs. 100 / Sample

WEAR TESTING APPARATUS Wear disc dia Thickness Wear track dia Disc Speed Normal Load Frictional Force Wear range

Pin on disc range 100 N to 200 N up to 165 mm up to 8 mm 50 to 100 mm 100 to 2000 rpm 5 to 200 N 0 to 200 N 0 to 2000 Micrometer



Charges

Usage of Equipment : Rs. 350 / Sample Consultancy Charge : Rs. 300 / Day

Trinocular metalluraical

Imaae Analysis Software

microscope 100x to 1000x Hiah Resolution CCD Camera USB 3 MPXL Image Acquisition Advanced Version Card Metallurgy Plus

Sample Size 20 x 20 x 5mm

Charges

IMAGE ANALYSIS SYSTEM

Usage of Equipment : Rs. 500 / Sample with (5 images) specimen preparation Rs. 350 / Sample without specimen preparation

Consultancy Charge : Rs. 500 / Day

Model SURFACE ROUGHNESS TESTER Tracing speed Reserve speed Dimensions Measuring range Probing force Material of stylus Radius of stylus

Handy surf E-35B Traversing length 12.5 mm 0.6 mm / s $1 \, mm \, / \, s$ Width = 186 mm Depth = 68 mm Height = 54 mm 40 / 160 µm / Auto 4 mNDiamond 5 µm



Charges

Usage of Equipment : Rs. 150 / Sample Consultancy Charge : Rs. 250 / Day

DOUBLE DISK POLISHING MACHINE



Charaes Usage of Equipment : Rs. 100 / hr