

# CENTER FOR NANOSCIENCE AND TECHNOLOGY

## AMAL JYOTHI COLLEGE OF ENGINEERING

### Consultancy and Testing facilities

#### 1. NANO FIBER DOUBLE SPINNING & YARNING SYSTEM

Make and Model	HOLMARC OPTOMECHTRONICS PVT.LTD HO-NFES-SYS
Power supply	-15 kV to +15 kV
Fiber Collectors	Stationary and rotating drums

#### *Usage Charges:*

Internal	External (Academic)	Industry
Rs 250 / Hour	500 Rs / Hour	1000 Rs / Hour



#### 2. ELECTROCHEMICAL WORKSTATION

Make and Model	CH INSTRUMENTS, USA CHI6054E
Maximum voltage	±10V
Maximum current	±250 mA
Electrode configuration	2 and 3
Frequency range	0.1 Hz to 1 MHz



**Usage Charges:**

Analysis	Internal	External	Industry
Cyclic voltammetry	Rs 200 / cycle	400 Rs / cycle	1000 Rs / cycle
Galvanostatic charge-discharge analysis	Rs.200 / cycle	400 Rs / cycle	1000 Rs / cycle
Electrochemical Impedance spectroscopy	Rs.250 / cycle	500 Rs / cycle	1000 Rs / cycle

**3. PIN-ON-DISC TRIBOMETER**

Make and Model	Ducom Instruments MAT/0001/BA/0001
Maximum Load	200 N
Rotational Speed:	1500
Maximum Temperature	200°C
ASTM standard	ASTM G99

**Usage Charges**

Internal	External (Academic)	Industry
Rs.250 / sample	500 Rs / sample	1000 Rs / sample



#### 4. TWO ROLL MIXING MILL

Make and Model  
Maximum quantity

Kelachandra Iron and steel works, Kerala  
200 g

##### *Usage Charge*

Internal	External (Academic)	Industry
Rs50 / Sample	200 Rs / sample	500 Rs / sample



#### 5. HYDRAULIC PRESS (Molding)

Make and Model

Mini Metals Industries, Kerala

##### *Usage Charges*

Internal	External (Academic)	Industry
Rs.50 / Sample	150 Rs / sample	500 Rs / sample



## 6. LEE'S DISC APPARATUS (Thermal Conductivity)

Make and Model

HOLMARC OPTOMECHTRONICS PVT. LTD  
HO-ED-M-03

### *Usage Charges*

Internal	External (Academic)	Industry
Rs 200/ Sample	400 Rs / sample	1000 Rs / sample



## 7. PLASTIC MELT MIXER

Make Plasto Mek, Quilandy

Machine capacity 25 gm

Temperature 250<sup>0</sup>C

### *Usage Charges*

Internal	External (Academic)	Industry
Rs 1000/ day	2000 Rs / day	4000 Rs / day

