

Panjab University Chandigarh

Integrated Workshop Facilities

Panjab University has integrated its workshop facilities in order to better utilize the assets available and to make the facilities available to all the departments and units of the Institute, including extension campuses and regional centers. The University intends to extend this facility to outside agencies, individuals and industry on need basis. The workshops with detailed facilities and available manpower has been made available on the website to facilitate the optimum usage and information dissemination to those who need it.

The workshop facilities across departments of Panjab University, Chandigarh campus are all enlisted below very methodically in a tabulated easy to read manner. The utility of the machines are clearly mentioned against each of the facility alongwith the concerned person's name who handles these machines (incharge).

Electrical Workshop

Name of equipment	Usage	Stationed & Contact Person		
		UIET	SSBUICET	CIL
Digital LCD Techo meter (non-contact type)	Test Instrument used to measure Speed (rpm). It is standard equipment for technicians in the Electrical Workshop.	Jatinder Singh Akshaydeep	Anil Kumar	Balbir Singh
DC Voltmeter, Portable, 0-200-300 Volts	Test Instrument used to measure DC Voltage. It is standard equipment for technicians in the Electrical Workshop.	Jatinder Singh Akshaydeep	----	----
DC Ammeter portable 0-10amp	Test Instrument used to measure DC Current. It is standard equipment for technicians in the Electrical Workshop.	Jatinder Singh Akshaydeep	----	----
Watt meter portable dynamometer Type voltage 0-250-500V Current 0.5 -10 AMP	Test Instrument used to measure power. It is standard equipment for technicians in the Electrical Workshop.	Jatinder Singh Akshaydeep	----	----
Megger 1000 V Battery operated Digital	Megger is an instrument used to measure high insulation resistances. It is standard equipment for technicians in the Electrical Workshop.	Jatinder Singh Akshaydeep	----	----
Kilowatt hrs. Energy meter D.C. generator Transformers different ranges	Regulated D.C. power supply	-----	Anil Kumar	----
Watt meters Ampere meter Voltmeter Energy meter Different kind of switches	Testing of power supply	-----	Anil Kumar	----
Dual channel digital oscilloscope: Regulated variable DC power supply: Multimeter: Tong Tester	Testing of power supply	-----	----	Balbir Singh
Digital soldering station (20 Nos.)	Multipurpose power soldering device designed for	Pammi Sharma Akshaydeep		

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		UIET	SSBUICET	CIL
	electronic components soldering.			
Digital soldering and Desoldering station (02 Nos.)	high performance and multi function station for electronic rework.	Pammi Sharma Akshaydeep		
Digital Multimeter. (15 Nos.)	Test tool used to measure two or more electrical values—principally voltage (volts), current (amps) and resistance (ohms). It is a standard diagnostic tool for technicians in the electrical/electronic	Pammi Sharma Akshaydeep		
Cathode ray oscilloscope (01 Nos.)	Measure the voltage, current, frequency, inductance, admittance, resistance, and power factor. This device is used to monitor the signal properties as well as characteristics and also controls the analog signals.	Pammi Sharma Akshaydeep		
Dual power supply (01Nos.)	Ensure stable power supply to a device,	Pammi Sharma Akshaydeep		
Power Press for Forging	Mechanical formation for sheet metal components, drawing, bending, shearing etc with the appropriate die-set and demo of press tool working	Mohinder Pal Ahuja Sanjay Kumar		
HF Induction Heater for Smithy	Instant heating of MS Bars from 6 mm to 16 mm dia and a length of 200 mm for Smithy and Forging, For Heat Treatment of small components	Mohinder Pal Ahuja Sanjay Kumar		
Open Hearth with Blower and Chimney (4 nos.)	Heating of MS using Steam Coal for Smithy and Forging	Mohinder Pal Ahuja Sanjay Kumar		
Fly Press/ Hand press with punching die	Dia 25 blanking for sheet metal components, and material pressing Demo for press tool working	Gulshan Kumar Sanjay Kumar	--	
Power Hacksaw	For material cutting	Gulshan Kumar Sanjay Kumar	--	
Foot shearing machine	For Galvanized iron sheet cutting	Gulshan Kumar Sanjay Kumar	--	
Bench vice Pipe vice Drill bit Surface plate	Material processing	Des Raj		

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		UIET	SSBUICET	CIL
Threading gauge				
ARC Welding machines	Welding	Neeraj Tewari Jatinder Kumar	Rajinder Kumar	
Gas welding set	Welding	Neeraj Tewari Jatinder Kumar	Rajinder Kumar	
MIG welding machine	Welding	Neeraj Tewari Jatinder Kumar	---	
DC arc welding machine with TIG application	Welding	Neeraj Tewari Jatinder Kumar	---	
Spot welding machine	Welding	Neeraj Tewari Jatinder Kumar	---	
Manual Lathe machine	Machine is primarily for shaping metal main use is to remove unwanted parts of the material, leaving behind a nicely shaped work piece.	Aman Joshi Jatinder Kumar (08 Nos.)	Des Raj	Dinesh Sharma
Power hacksaw machine (01 Nos.)	cut large sizes (sections) of metals such as steel.	Aman Joshi Jatinder Kumar	Des Raj	Dinesh Sharma
Shaper machine (01 Nos.)	Generate straight and flat surfaces. Smooth rough surfaces. Make internal splines. Make gear teeth.	Aman Joshi Jatinder Kumar	Des Raj	Dinesh Sharma
Vertical Manual milling machine (01 Nos.)	shaping and fabrication by the removal of stock typically from metallic work pieces	Aman Joshi Jatinder Kumar	Des Raj	---
Horizontal Surface grinding machine (01 Nos.)	Surface grinder with a horizontal spindle is used for precision grinding with a very flat, fine finish.	Aman Joshi Jatinder Kumar	Des Raj	Dinesh Sharma
Buffing machine	Finishing job	---	Des Raj	---
Drill	Drilling	---	---	Dinesh Sharma
Oil Fired Tilting Furnace (Capacity: 20 Kg), with Overhead Oil Tank and Air Blower.	For melting of casting materials like Lead, Aluminum etc..	Mr. Pawan Kumar Sant Ram Singh		
Sand Muller (Capacity: 50 kg), Motor: 2HP, 3 Phase.	To prepare the moulding sand by mixing sand and binders etc..	Mr. Pawan Kumar Sant Ram Singh		
Sand Rammer	To prepare test specimen of moulding sand.	Mr. Pawan Kumar Sant Ram Singh		
WOOD WORKING LATHE	for daily jobs and project work	Inderjeet Singh Rattan Sant Ram Singh	---	---

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Multipurpose planner	USED ONLY FOR PROJECT WORKS	Inderjeet Singh Rattan Sant Ram Singh	Sarup Lal	Dharamvir
TABLE SAW	USED ONLY FOR PROJECT WORKS	Inderjeet Singh Rattan Sant Ram Singh	---	Dharamvir
Handsaw Chisel Electric Wood Cutter	Wood work and shaping cutting.	---	Sarup Lal	---
Air Blower Motor	Repair work of AC's, Refrigerator , Water Coolers, Deepfreezers and Incubator in the University all departments and offices	Mr. Anil Kumar –I		
Drilling Machine hammer type				
Surface level check meter				
Swaging tools		Mr. Gurpreet Singh		
Flaring Die with Yoke				
Copper bending die 3/8"		Mr. Sukhwinder Singh		
Copper bending die 1/2"				
Pressure Gauge 0-300 Psi				
Gas Charging hand set valve				
Tube cutter				
Copper punching tool				
Gas charging line				