

PRODUCTION TECHNOLOGY/MANUFACTURING PROCESS LABORATORY

Production technology/Manufacturing Processes involves transformation of raw materials into make products using various manufacturing process like Casting, Forging, Welding, Plastic moulding etc.

Mechanical engineers have to gain knowledge about various conventional and modern manufacturing processes for producing human needed products.

This lab transforms theoretical knowledge into practical knowledge.

The facilities available in the laboratory

- Air Plasma Cutting Machine
- Spot Welding Machine
- TIG Welding Machine
- DC Welding Machine
- CO2 /MIG Welding Machine
- Sand Strength Testing Machine (UTM)
- Permeability meter Machine
- Sand Wood Turning Lathe
- Blanking/Piercing Press:
- Hydraulic Press for deep drawing
- Hydraulic Press for Extrusion
- Fly press for Sheet Metal
- Injection Moulding Machine
- Blow Moulding Machine
- Resistance Furnace
- Simple, compound and progressive die tools for blanking/piercing press.

1.

**Spot Welding
Machine.**



2. TIG Welding Machine.



3.

Arc Welding
Machine.



4. MIG Welding Machine.



5. Sand Strength Testing Machine



6. Permeability Meter Machine



7. Sand Rammer &
Attachments for Sand
Rammer



8. Sand sieve shaker



9. Wood Turning Lathe



10

Jig Saw



11

Adjustable Table
Circular Saw



12

Blanking/Piercing
Press



13

Hydraulic Press for
deep drawing



14

Hydraulic Press for
Extrusion



15 Fly press for Sheet Metal



16

Injection Moulding
Machine



17

Blow Moulding
Machine



18 Resistance Furnace



19 Ericition cup tester



20 Electronic weighing machine.



