



# UMER DARAZ

MECHANICAL ENGINEER

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Burewala, Punjab Pakistan

**DATE OF BIRTH: 17-JUNE-1997**

## About me

I am mechanical engineer. My BS Mechanical Engineering and Technology is completed in 2017 to 2021. With strong problem-solving skills, I am willing to work hard and conscientiously to improve myself personally and professionally. As a mechanical engineer, my objective is to develop Engineering solutions and to maintain continuous performance of machines. Mechanical design, mechanical engineering methods, and processes are to be implemented.

## Education

### BS Mechanical Engineering & Technology University of Sarogha

Oct 2017 - Oct 2021  
City, Sargodha

- Machining Process Industrial Materials
- Computer-Aided Drafting
- Mechanics of Materials
- Production Planning and Control
- Plant Maintenance
- Mechanical Vibrations
- Project Management
- Product Automation
- Industrial Environmental Safety

### DAE Mechanical Engineering & Technology Jinnah College of Engineering & Technology

Sep 2014 - Sept 2017  
City, Burewala

- Mechanical engineers.
- Analyze their design by applying the principal of motion.
- Energy and force to ensure the safe.
- Efficient.
- Reliable and cost effective manufacturing of products.

## Skills

### Soft Skills:

- Adaptive
- Pressure Handling
- Decision making
- Communication
- Team work
- Leadership
- Dedication
- Flexibility

### Technical Skills:

- Problem Solving
- Process Analysis
- Optimization
- Management
- Ceramic Tiles
- Utilities
- Operations
- Process development

### professional Skills

- AutoCAD
- Adobe Photoshop
- Microsoft office
- SAP PP

## Work experience

### Production Engineer (SAP PP) Orient Ceramica (Orient Group of Company)

Dec 2022- Current  
Head Office, Faisalabad

- shop floor stock maintain, manage the raw material, semifinished material into finish Goods
- Successfully calculated the BOM for the targeted production for 1st phase.
- Helped top management in selection of several components of production, e.g. Squaring and Chamfering Tools, Polishing Tools and Equipment and many other items.
- Successfully worked with SAP Material Management for purchase requests and orders for the department.
- Successfully collected the power and gas consumption of each section machine-wise to estimate the total electricity and gas requirement of the plant.
- Prepared many comparison calculations for energy saving solutions for other energy alternates for cost savings.
- Manage and control warehouse & inventory stock and ensure adherence to company policies and procedures.
- Regularly planned and organized maintenance of machinery and equipment.
- Prepared and maintained production documents.
- Analyzed and reported production data to management
- Developed Production related reports and contractor payment related reports with coordinate with technical consultant.
- Created Material master, BOM, Routings, Work centers, Costing, MRP

### Mechanical Engineer (PPC) Oppo Mobile Company PVT LTD

Jan.2021-Dec.2022  
Lahore, Pakistan

- Maintained all machines maintenance, improved quality control record, safety improvement, line maintenance, quality control auditing of maintenance-related paperwork, updating maintenance list
- Continually improved methods and procedures for processes, measurement, documenting and workflow techniques.
- Maintained high level of record-keeping accuracy in compliance with internal maintenance procedures.
- Trained and supervised team of junior Mechanical Engineers and apprentices.
- Supervised junior engineers and technicians, providing training and guidance on maintenance procedures.
- Managed maintenance and repair of manual handling equipment.
- Tested continuity of circuits to verify compatibility and safety of components using testing instruments.
- Made time and materials estimates to help with planning.
- Confirm and release the production order after checking the master data Bom and routing.

### Production Supervisor Izhar Steel Engineering PVT LTD

Jan.2017-Dec.2019  
Lahore, Pakistan

- Planned and delegated work to meet project or production goals.
- Produced products to exact specifications by closely following engineering instructions, blueprints and drawings.
- Implemented health and safety protocols during fabrication processes to minimize workplace accidents.
- Performed routine maintenance on fabrication equipment, reducing downtime and prolonging machinery life.
- Managed a team of 22 executives on the floor.
- Customized welding methods and techniques based on specific project demands and material characteristics.
- Welded joints and edges, continuously checking for safety and quality.
- Prepared and cleaned components to weld with precision.
- Scheduled machine maintenance and repairs to prevent unexpected breakdowns and prolong equipment lifespan.
- Supervised daily production activities, monitored employee performance, and addressed inefficiencies to optimize workflow.
- Maintained workplace safety by observing occupational and environmental health requirements.

## Mechanical Engineering

Izhar Steel Engineering PVT LTD, Lahore

- Assisted in developing maintenance methodologies, improving machinery life by 30%.
- Participated in design and implementation of HVAC system, optimizing energy efficiency by 20%.
- Involved in project budgeting, preventing project cost overrun of approximately \$10K.

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## Final Year Project

### Fabrication of Dual Side Shaper Machine

#### LITERATURE REVIEW

A dual side shaper machine is a machining tool used for shaping various materials such as metals, wood, and plastics. It consists of two shaper heads that are mounted on opposite sides of a bed, which

#### Experimental Set-Up and Methodology

Dual side shaper machines are commonly used in metalworking to produce flat surfaces or shapes with a high degree of accuracy.

#### EXPERIMENTAL PROCEDURE

The machine typically has two cutting heads that work simultaneously to produce a symmetrical shape on opposite sides of the workpiece. Here is a basic model for a dual side shaper machine:

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## Hobbies & Interests

- Football
- Traveling
- Freelancing
- Hiking
- Tracking
- Mountaineer

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## References

- Will be published on demand.