

USMAN FAZAL

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EXPERIENCE

TriCab – Machine Operator; 33 Prohasky Street, PORT MELBOURNE 3207, *June 2023 – Present*

- As a machine operator specializing in the operation of **braider and taping machines**, I am playing a critical role in the manufacturing process by ensuring the efficient and accurate production of braided structures and taped products. My expertise and attention to detail contribute to maintaining high-quality standards and meeting production targets.
- Set up the braider machine or taping machine prior to production runs, including selecting appropriate settings, adjusting tension, and threading materials onto the machine.
- Monitor the operation of the machine, ensuring the smooth flow of materials and continuous production without interruptions.
- Set up and operated automated **layup** machines for composite material fabrication, ensuring compliance with engineering specifications.
- Managed BOM reservations in **Microsoft Dynamics 365**, ensuring accurate material allocation to production orders and minimizing inventory discrepancies.
- Identified and resolved shortage length problems by closely monitoring inventory levels, lead times, and material availability to avoid production delays.
- Collaborated with supply chain teams to optimize procurement processes and reduce stockouts, ensuring on-time production and minimizing capacity underutilization.

Medicraft Pharmaceuticals Pvt Ltd – HVAC Trainee Engineer; Pakistan *January 2021 – November 2022*

- Assisted in the operation and maintenance of HVAC systems to ensure compliance with GMP and ISO 14644 standards for cleanroom environments.
- Conducted routine inspections and supported validation processes, including IQ, OQ, and PQ documentation.
- Monitored BMS to ensure environmental parameters remained within regulatory limits, ensuring product quality and consistency.
- Collaborated with senior engineers to implement an energy-saving project, reducing HVAC energy consumption.

EDUCATION

Federation University Australia, School of Engineering | Master of Engineering Project Management | Australia, Ballarat | March 2023–November 2024 | **GPA: 5.0 / 7.0 (71%)** |

Concentrations: Advanced skills in planning, executing, and managing engineering projects across diverse industries.

- The key knowledge and skills required for engineering project and resource planning and execution. This includes contracts and costing, business analysis and decision making, the global management environment, human and financial resources, risk, and research methodology.

BUIITEMS University Pakistan, School of Engineering | Bachelor of Mechanical Engineering (Engineers Australia Certified) | March 2016–December 2020 | **GPA: 3.30 / 4.00 (82%)** |

Concentrations: Developing expertise in design, manufacturing, thermodynamics, fluid mechanics, and advanced engineering systems for solving real-world mechanical problems.

SKILLS & INTERESTS

Interests: Reading Article, TED Talks, Udemy, Certification, Hiking, Gym, Badminton

Languages: English, Native Urdu,

Technical: Engineers Australia Certified, Solid Edge, Ansys. For more details please visit (usmanfazal.com)