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VISHALG. SONUNE
Assistant Manager (Manufacturing)
Kirloskar Ebara Pumps Limited (API Pumps)
BE - Mechanical Engineer,
PG DIPLOMA (Tool & Die Manufacturing)

Professional Summary

Detail oriented Manufacturing professional with 4.2 years of experience in Manufacturing. Implementation of IIoT under industry 4.0 concept withing machine shop. Worked on Creo 4.0 & Windchill PLM (Product Lifecycle Management) to prepare SOP (Standard operating Procedure) of machining components. Also worked on UG NX 10.0 to make 3D models of mould, machining, press tool components. Hence Good knowledge of 3D modeling & detailing, GD&T Symbols used. Having in depth knowledge of manufacturing processes, especially in CNC & conventional machining. Worked on tooling's required for different machining operations. Worked on SAP & MOST Software's to create routings. Cycle time & cost estimation of machining components.

Key Skills

- Good knowledge of PTC Creo 4.0, and PTC Windchill, PLM (Product Lifecycle Management) & AutoCAD for 3D modeling & detailing. Prepared plant layouts.
- Implementation of IIoT in machine shop by using industry 4.0 concept to reduce the time waste and increased productivity .
- Prepared Cost estimation & Cycle time estimation of the machining components.
- Created routings in SAP and MOST (UMAS India.) software to maintain & improve the capacity utilizations of machines & plant. Used SAP for checking BOM & preparing PR.
- Toolings required for different operations on CNC as well as on conventional machines.
- Prepared SOP (Standard Operating Procedures) for machining components of pumps like Impellers, Casings, Shafts. Using Creo 4.0 & Windchill.
- Worked on UG NX 10.0 for preparing 3D models & detailed drawing.
- Working as team member in FI (Focused Improvement) team under TPM activities. To reduce the setting time & cycle time on machine. Also done OEE calculations to check the machine improvement.
- Well knowledge of casting & forged bars, plates machining & speed, feed, depth of cut, Vc required for the same.
- Good knowledge of CNC programming (manually) for the operations like turning, milling, drilling. Also used Solid CAM software for the tool path generation & CNC programming. Good knowledge of G-Codes & M-Codes used for programming. Well knowledge of GD&T symbols.
- Hands on experience of Excel and formulation, PowerPoint, Word.
- EHS Management and regular training in plant.
- Good knowledge of API 610 manufacturing. Also ASTM/ASME Products manufacturing

Work Experience

Assistant Manager – Manufacturing Dec-2017 to Present

Kirloskar Ebara Pumps Limited (KEPL) – Kirloskarwadi, Maharastra,India

Primary Roles: Responsible for SOP (Standard Operating Procedures) preparations using PTC Creo 4.0 and Windchill (PLM) softwares, creating routings in SAP & MOST software, Cost estimation & cycle time estimation of machining components. TPM Activities.

Key Contributions

- Contributed to the creation of SOP (Standard Operating Procedures) using Creo 4.0 & Windchill PLM modelling & detailing. Created SOP for each machining operation like rough, semi-finish & finish machining required for the pump components. Also calculated the cycle time for each operation by taking speed, feed, depth of cut & Vc in consideration.
- Calculating the cycle time required for the machining of casting, forged and bar components and making its routing in SAP and MOST software as well.

- Prepared cost estimation for the components which are being machined at vendor side and finalizing the rate by considering the scrap rate and MHR (Machine Hour Rate).
- As the member of FI team in TPM activities, prepared KAIZENs for the setup time reduction on machine. Calculating the OEE by considering down time, actual time & standard time required for the components for machining & hence checking the capacity utilization of machine.
- Working knowledge of API pumps like OH2, VS1 & VS6, BB1 & BB5. And their construction components.
- EHS Training and practices.
- API welding and cost estimation of welding. Well knowledge of welding.

Trainee Engineer – Design & Manufacturing Jan-2017 to Dec-2017

Indo-German Tool Room (IGTR) – Aurangabad, Maharashtra, India

Primary Roles: Responsible for making the 3D models of mould, casting, machining and press tool components in UG NX 10.0 for preparing detailed manufacturing drawing & assembly.

Key Contributions

- Making 3D models of mould components like core, cavity, press tools like bending, piercing tools.
- These 3D models are used to prepare detail manufacturing drawing & assemblies.
- Also models are used for tool path generation & simulation in UG NX 10.0

Educational Qualifications

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| ➤ PG Diploma in Tool & Die Manufacturing (77.25%)
Indo-German Tool Room, Aurangabad. Maharashtra, India
(MSME Government of India.) | 2016 – 2017 |
| ➤ Bachelors of Engineering in Mechanical (72.41%)
D. Y. Patil College of Engineering & Technology,
Shivaji University, Kolhapur, Maharashtra, India. | 2011 - 2015 |
| ➤ Higher Secondary Certificate (HSC) (77.33%)
State Board of Maharashtra, India. | 2009 – 2011 |
| ➤ Secondary School Certificate (SSC) (86.76%)
State Board of Maharashtra, India. | 2008 - 2009 |

Personal Details

- DOB : 21/Sep/1993
- Sex : Male
- Marital Status : Unmarried
- Languages : English, Hindi, Marathi.