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Metropolis, Miyapur,

Hyderabad.

**Machine Design and SPM Design Manager (15+ years Exp.)**

***New Product Development and Special Purpose Machine Design with High-Volume Production Environments and Heavy Machinery.***

**PROFILE SUMMARY**

- 15 + years of experience on Special Purpose Machine Design, Development, Project management and Troubleshooting.
- Providing Economical and compact concepts on Mechanisms.
- Good knowledge on Problems identified on Existing machine. And provide rapid solutions on the root cause basis.
- Excellent catches power and understanding skills on Machine Mechanisms.
- Having a full length of sound on mechanical products, machine parts, jigs & fixtures and components for global ISO manufacturers.
- Backed by advanced skills in **5S, POKAYOKE, KAIZEN, VSM, DFM** and **DFA**
- Earn consistent recognition as a visionary solution engineer.
- **S.P.M design and Manufacturing Techniques are trained from retired DGM HMT (Hindustan Machine Tools).**

**Key Skills**

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| <ul style="list-style-type: none"><li>• Autodesk Inventor (professional),</li><li>• AutoCAD</li><li>• Solid works</li><li>• Pro/E &amp; Creo</li></ul> | <ul style="list-style-type: none"><li>• Static and Dynamic Analysis.</li><li>• Solid &amp; Parametric Modeling.</li><li>• Geometric Dimensioning &amp;Tolerance (GD&amp;T)</li></ul> |
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**PROFESSIONAL EXPERIENCE****MVS ACME Technologies Pvt. Limited**-Hyderabad, India.**Sr. Manager-Machine Designs**, 04/22 to Present

- Handling CPL (Coil Packaging Line) for Steel Mill.
- All Types of Strapping and Wrapping Machines Designing and Development for Steel Products, Concept building, Design review meeting with Team Members, Mfg. & assembly drawing preparation, BOM, Selection of Drives (Electrical, Pneumatics' and Hydraulics.), RFQ.
- Review with internal team members on FMEA. And corrective.

**Transformers and Rectifiers India Limited**-Ahmedabad, India.**Team Lead-IPE (Industrial Production Engineering)**, 11/20 to 04/22 (**1.4 Years**)

- SPM Concept building, Design review meeting with end users, Mfg. & assembly drawing preparation, BOM, Selection of Drives (Electrical, Pneumatics' and Hydraulics.), RFQ.

- Review with internal team members on FMEA. And corrective.
- Project planning, Vendor development and Follow-up, In-house assembly, coordinating with automation, Trails.
- Design and Developed Fully Automatic Runner Pasting Machine for winding coils. It improves uniformity of runner position on Bigger Cylinders than Manualpasting. Indexing, Glue dispensing, Pick and Place, Heating Mechanism were used as per application.
- Designed Circular Segment Cutting Machine for making of OGW (oil guard washer) for Winding coils. Increased 20% of yield than earlier process with using of CNC routing machine.
- Developed Fixture for Step block milling with Different verity of Angle milling.
- Design and Developed Fully automatic CLACKBAND Pasting Machine. Vibratory bowl feeder, Glue dispensing, Pick and Place, Heating Mechanism were used as application.

**Signode India Limited**-Hyderabad, India.

**Assistant Manager**, 01/14 to 11/20 (**6.10 Years**)

- Expertise in Layout making, Concept building and Detail design on Coil Packaging Lines and standalone strapping machines.
- Awarded **GURUDAKSHINA** for given Training on Autodesk Inventor Tool. **INNOVATION** for Integrated Strapping Machine, Same got awarded in **CII-2021** conference from SIGNODE.
- Wide knowledge on Calculations, Selection of Drives (Geared Motors, Pneumatic, Hydraulics), Drive Elements (Chains, Belts, Rack and Pinions, Bearings), Engineering Drawing's, GD&T.
- Designed more than 45 Numbers of Strapping machines for Steel Coils with various customers, Domestic and International. (TATA, JSW, Arcelormittal, Primetals, Bluescope, Essar, Novalies, Etc...)
- Extensive knowledge on all types of Strapping and Wrapping Machines (Circum, Eye and Integrated), and includes additional accessories like Tag Applicator, Seal pad Applicator, Edge protectors, Etc.
- Involved in Designing of Coil & Sheet packaging Lines for Domestic customers (TATA and JSW), which includes Cradle rollers, Saddles, Conveyors (Roller, Chain), Centering Mechanisms, Compactors, Feeding Mechanisms, Etc..
- Involved in Manufacturing, Assembly process, Fabrication, All types of Machining, Heat treatment process, Surface fishing process and Painting Process.

**Vijai Electricals Limited** — Hyderabad, India

**Mechanical Designer**, 12/05 to 01/14 (**8 Years**)

- Starts with Production Shift Supervisor in Transformer Assembly.
- Learn and developed productivity tools like 5S, POKAYOKE, KAIZEN & VSM.
- Moved to R&D Department, were are developed in-house machinery for increasing productivity.
- Trained **S.P.M design and Manufacturing Techniques** from retired DGM HMT (Hindustan Machine Tools).
- Involved, Designed and Developed of CTL (Cut to Length), Core Slitting, Bending Machines.

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## EDUCATION

**Diploma in Mechanical Engineering (2002-2005) - Govt. Polytechnic College.**

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## PERSONAL

Gender : Male.  
 DOB : 12/06/1985.  
 Languages : English; Hindi; Telugu.