

CURRICULUM VITAE

TEJAS SURTI

B.E .Production Engineering

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OBJECTIVE

To work in a challenging & growth oriented environment so as to apply my technical and analytical skills for the benefit of both, the organization and myself.

EDUCATIONAL QUALIFICATIONS

Course	Board / University	Institution/ School/college	Percentage(%)		Remarks	Year of passing
10 th std.	Gujarat Secondary and Higher Secondary Education board	Swaminarayan Higher School, Maninagar, Ahmadabad-	73.26		Distinction	April 2005
			Sem.	%		
DIPLOMA IN TOOL & DIE MAKING (Indo German Tool Room)	A.I.C.T.E & T. E.B U. (Technical Education Board) Gandhinagar	Indo German Tool Room, Ahmadabad.	I	69.83	First Class	2006
			II	76.09	First Class	2006
			III	78.21	Distinction	2007
			IV	80.77	Distinction	2007
			V	80.00	Distinction	2008
			VI	79.82	Distinction	2008
			VII	70.25	First Class	2009
			VIII	70.50	First Class	2009
B.E	G.T.U (Gujarat Technical University)	Shantilal shah Engineering college, Bhavnagar	III	7.13(SPI)	7.60(CGP A)	2010
			IV	6.39(SPI)		2010
			V	7.00(SPI)		2011
			VI	7.40(SPI)		2011
			VII	7.43(SPI)		2012
			VIII	8.44(SPI)		2012

SOFTWARE & TOOL DESIGN KNOWLEDGE

Software knowledge:-

- Creo (Pro-E. / PLM)
- Unigraphics (UG NX-4)
- Master Cam.
- Auto CAD.
- Mechanical Desktop.

Tool Design:

- Press Tools. (Proficient)
- Plastic Mould.(Basic)
- Jigs & Fixtures. (Basic)
- Die Casting Dies.(Basic)
- Forging Die Design.(Basic)

Computer Knowledge:

- MS office.
- Internet.

3 rd EXPERIENCE (Banco Product & gaskets Ltd.)

- Organization : Banco Products & gaskets India Ltd,

Born of entrepreneurial spirit 1961, banco products (india) ltd. Has today carved a niche for itself as a leader in the business of engine cooling and sealing system both for automotive and industrial applications. Banco combine the power of innovation and commitment to quality to create high performance solution there our customer.

- Designation : Manager R & D (Tool Design)
- Department : R & D Tool Design Department
- Experience : From June, 2021 to Til

ROLE & RESPONSIBILITIES

- Looking after Tool Design activity for OE, EXPORT/ REPLACEMENT & PRODUCTION Tool Design,
- Managing all Tool Design activities& project withing its time period to meet out customer urgency,
- Looking for **Tool Design of Press tool Design & Rubber mould (Compression, transfer, injection), Heat shield gauges design,of OEM company like (Maruti, TATA, Mercedeze,TVS, Royal En-field, Mahle).**
- Looking for IATF audit for Tool Design Documents,
- Looking after for **RFQ of all OE, EXP/REpl Heat shield, stage tooling progressive machine component** etc.
- Looking after productivity improvement of different department,
Designed injection mould of 2 cavity of Mahindra & Mahindra which increased it's productivity from 800 piece daily which previously 140 piece per day.
- Drawing checking of all tool design it's review & releasing with output note,
- Team handling with very define time line of all projects & review on every weekend.
- **3D Development from 2D Drawings.**

2 nd EXPERIENCE (NBC bearings CK Birla group)

- Organization : NBC Bearing, (NEI Bearing)

Manufacturing more than 200 million bearings annually in more than 1450+ sizes, National Engineering Industries Limited (NEI) is the flagship company of the CK Birla Group.

- Designation : Associate Manager
- Department : R & D Department
- Experience : From June, 2019 to June, 2021

ROLE & RESPONSIBILITIES

- **NPD design** for ball bearing & TRB bearings design,SRB, U TRB design,
- **Vendor development** & resolve the concern related Tool design,

- **Problem solving & analytical skill** based on that support to production department,
- Bearing tool design for Ball Bearing, TRB bearings, SRB, U TRB design,
- **3D design of tooling with 3D assembly* & 2D drawing with GD&T,**
- Look after on **cost saving projects & continues improvement project won 2nd price cost saving of “85 lacs”,**
- Automation design based on requirement mechanical with new concept,
- Project development like commissioning of new Bearing line machine & support all until unless machine installation not completed.

1 st EXPERIENCE (HARSHA ENGINEERS)

➤ Organization : HARSHA ENGINEERS LIMITED, Ahmedabad

Since its inception in 1986, Harsha Engineers Limited (Harsha) is the largest manufacturer of precision bearing cages in organized sector in India in terms of capacity and operations and amongst the leading manufacturers of precision bearing cages in the world with a market share of approximately 5% to 6% in the organized segment of the global brass, steel, poly-amide bearing cages in terms of revenue.

➤ Designation : Senior Design Engineer,

➤ Experience : FROM : JUNE 2012 TO : JUNE 2019

ROLE & RESPONSIBILITIES

1. NPD (New Product development) & Process Design:-

- Experience in handling projects of Auto ancillaries like HONDA, MARUTI, FORD, HIGHLY APPLINCEC, TIMKEN, SKF, SCHAEFFLER Group (INA, FAG), Koyo, TISCO, NRB, NBC, Faiveley Transport Pvt. Ltd., Nachi India, etc.
- Quotation Review, Feasibility Study & costing
- Understanding and applying the engineering and sheet metal forming fundamentals & calculations in Stamped Components
- Process Designing of Bearing Retainers (cages) and Special Stamped Components
- Tooling & Jig Fixture design for different all sheet metal operations by Modeling, Assembly and detailing in CREO 2.0 software
- Tooling Design by using various sheet metal designing concepts like **Drawing Tool, Deep Drawing tool, Transfer tool, Progressive, tooling design, Compound tool design, Combination tool design, Ironing tool, Notching tool & Embossing tool**
- Analyzing feasibility check of processes in s/w like Pro mechanica and Hyperform.
- Measurement method alignment & Gauge design for product parameter measurement
- Establishing product requirements according to process capability, stage wise process drawings, Raw Material standard weight & Specifications
- Preparing **Advance Product Quality Planning (APQP)** for all new products, preparing Process Flow Diagram, Control Plan, PFMEA (PPAP Documents)
- Responsible from product designing stage to PPAP submission stage

2. Project Development (Automation Projects)

- Automation Projects for Productivity improvement, Quality improvement & Cost reduction
- Project planning & implementation
- Technical discussion and co-ordination with supplier for automation equipment
- Engineering calculations for automation & designing work like transfer system calculation to

synchronize with mechanical press cycle, Servo motor selection calculation, Timing belt pulley selection calculation, CAM designing (SHM), with team

- **Project 1: Seal Automation**

To increase the productivity of seal product we designed the Fully automated line instead of all manual operation,

- **Project 2: TRB Hybrid line**

To increase the productivity of TRB cages we (Me & my team) designed the Fully automated line,

- **Project 3: Pick & Place system for ARIT machine for DGBB**

Pick & place design for ARIM for DGBB product for customer complaint for rivet missing cage.

3. Machine Design & Development (SPM machine & automation line)

- Preparing specifications & detail of equipment for supplier inquiry & quotation
- Technical discussion and co-ordination with supplier for automation equipment
- Supplier visit for equipment trials & inspection
- **M/c Design 1:** Servo Zig zag feeder for 600 mm strip width (revers engineering & Designed & develop in house)
- **M/c Design 2:** Servo Zig zag feeder for 400 mm strip width (Designed & develop in house)
- **M/c Design 3:** Servo Zig zag feeder for 250 mm strip width (Designed & develop in house)
- **M/c Design 4:** Servo Zig zag feeder for 200 mm strip width (Designed & develop in house)
- **M/c Design 5:** Servo Zig zag feeder for 675 mm strip width (Designed & develop in house)

4. RFQ costing of different types of tool & machine component

- Different type quotation of different tool design.

ACADEMIC PROJECTS

Diploma in Tool and Die Making:

- Manufactured of Guide plate tool for circular blank.(III sem)
- Manufactured of plug gauge.(IV sem)
- Manufactured of Progressive press tool of [piercing & bending].(V sem.)
- Manufactured of single cavity Mould of CD- case fully automatic.(VI sem.)
- Work done during Training in I.G.T.R.
 - ✓ Design department.
 - ✓ Conventional department
 - ✓ C.N.C department.
 - ✓ Injection molding department.
 - ✓ Assembly department.

Bachelor of Engineering

- Project done during the VII sem was on hot runner plastic injection mould from Brahma industries.
- Project done during VIII sem was on casting product (Different Textile flyer) from Inspiron engg pvt ltd.
- I did the work as a trainee in I.G.T.R during which i have done Assembly of Blanking Tool of Siemens company from Germany.
- **I took training in Brahma industries from 5th June to 5th July 2011 at Ahmadabad during 7th semester of my B.E.**

- I took training in Inspiron Eng. Pvt Ltd. from 1st January 2012 to 30th January 2012 at Ahmadabad during 8th semester of my B.E

SUBJECT OF INTREST

- Design department.
- To Work in automobiles industry.
- Machine design.
- R&D on product and Product design and its assembly.
- CAD -CAM & Automation.

INDUSTRIAL VISITS

COMAPANY NAME	PLACE
Farromatic Machine PVT.LTD	Ahmadabad
Devu Tools.	Bombay
Gravy Casting.	Vapi
Prince ware PVT.LTD.	Bombay
I.P.C.L casting LTD.	Bhavnagar

PERSONAL APPRAISAL

- **Father's Name** : Mr. Navinchandra Surati.
- **Mother's Name** : Mrs. Indiraben Surati.
- **Date of Birth** : 17th February 1990.
- **Gender** : Male.
- **Nationality** : Indian.
- **Permanent Address** : 78,Arvind park soc, C.T.M cross road,
Amraivadi opp,sindhvai temple,
Ahmedabad.
Pin Code - 380026
- **Contact No.** : Mobile - +91-8866126826 / +91-9974239239
- **Languages Known** : English, Hindi And Gujarati.

REFRANCE

- **Refrance 1:-** Mr. Ketan Kawa (Manager at Harsha Engineers)
Contact No:- +91-9724327535
- **Refrance 2:-** Mr. Joy Chirstian (Vice president at Sanghi cemet)
Contact No:- +91-9909900026
- **Refrance 3:-** Mr. Gopi Kishan (Vice president at Kaparo)
Contact No:- +91-9033001694

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge and if found false, then I will abide as per rules.

Place: Ahmedabad

Date:

TEJAS SURTI N.