

Sameer Dinkarrao Morey

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B.E. (Mechanical. Engineering.)

23+ Years of Versatile Experience as

- 1.Plant Incharge,
- 2.Machine Designer,
- 3.Machine Maintanance
- 4.Plant erection & project coordination
- 5.Manpower management.

Key Factors

- *Good Communication skill –Team members , technicians, vendors*
- ***Strong in English communication***
- *Handling Technical Team & technicians.*
- Machine Maintenance- Mechanical & Electrical
- Material purchase-Civil, Mechanical & Electrical
- Man Power Planning
- Mass production & Quality Control.
- **Large project handling**
- Strong in Machine Maintainance

Current Job:

Design Consultanat- at **M/s.Falcon Recycling solutions, Nashik**

*Job Profile : Design & manufacturing of Shredding Machines for Coal,Organic waste,
Aluminium Castings, Plastic etc.*

Last Job:

Plant Incharge & Project coordinator- at **M/s. Achemya Water Solutions, DMIC-Shendra, Ch.Sambhajinagar.** (Works in Fabrication & water Treatment plant)

CTC- 6 lakhs PA

#Job profile - Plant Erection for fabrication unit- I have handled **civil, Mechanical & electrical Installation work. Complete unit installed & ready for production.**

Seventh Job:

Engineeing Head & Project coordinator- at **NIMT, Gangtok, Sikkim**

CTC: 7.2 Lakhs PA

Job profile: Working as **Engineering head for Maintanance** in Pharmaceutical units in sikkim.

Sixth Job:

M/s.Vishwakarma Gears Pvt.Ltd.Sinnar

Job profile: Plant Incharge & head Maintenance

- 1) Work on PPC- production, planning & control.
- 2) Factory operation
- 3) Man power planning
- 4) Overall maintenance of the plant--- Mechanical & electrical.
- 5) Control on Consumables like- hydraulic Oil / tools, water & electricity
- 6) Material purchase- cutting oil for CNC machines, hydraulic oil for power packs, tools for CNC machines.
- 7) Cost control- water, electricity, manpower & consumables.
- 8) Efficient use of available manpower.

Maintenance of plant

- a) Coiling Machine- shafts, bearings, oil, gear box, driving motor
- b) Sitting machine- band saw blades, coolant, hydraulic power pack.
- c) Butt welding Machine- water supply, transformer, hydraulic power pack, maintenance of control panel. (electrical+ electronics + mechanical)
- d) Grinding Machines- Shafts, pulleys, belts, bearings, motor & starters.
- e) Stretching Machine- Ram shaft, PB bushes, motor, fly wheel, belts & crank shaft
- f) 800T power press- hydraulic power pack, solenoid valves & direction control valves.
- g) 20 HP reciprocating compressors- oil changing, air filters, fly wheel. Belts, 20 HP motors.
- h) Double spindle CNC machines- coolants, toolings, maintenance of chuck, motors & belts.
- i) Cooling tower- water, water connections, proper supply of water to machines.
- k) Punching Machine- hydraulically operated.
- l) NDT testing machine- checking cracks in the starter gears.

Fourth job -at M/s.Fox Control Pvt. Ltd. Nasik

Sr.Design Engineer/ Executive Projects for SPM Division & Handled all shop floor activities.

Job profile: **Design- SPM - Special Purpose Machines**

- 1) Manpower Planning & control.
- 2) **Assembly & testing- (Electrical Test Benches)**
- 3) Cost Estimation
- 4) Purchase

Used CAD softwares for designing

- **Solid Edge:** Now using for designing i.e. modeling, assembly & drafting of SPM **heavy machinery.**
- **AUTO CAD:** 2D, 3D Modeling and Drafting. (All versions)

Third job -at M/s.Micro machining Services, Ch,Sambhajinagar

Design & Application Engineer. (+2 years)

Design & manufacturing of

- a) Jigs-Fixtures, b) Press Tools & Dies c) Reverse Engineering Projects. d) Special purpose machines for Automation i.e. PLC Based SPM

Second Job- at M/s.Samotech CAD/CAM Consultancy-Ch.Sambhajinagar

Operating CAD Tools for Designing of Jigs & fixtures, welding Fixtures for Auto components.

First Job: Siddhant Pressing (2.5 years) –

Shop floor Supervisor for manufacturing of sheet metal auto components.

Educational Qualification:

Examination	Board/ University	Year Of Passing	Grade
S.S.C	M.S.B.S.H.S.E PUNE	March 1989	84.00%
H.S.C	M.S.B.S.H.S.E PUNE	March 1992	57.50%
B.E.(MECH)	DR.B.A.M.U'SITY, AURANGABAD.	Dec -1998	61.33%

Job Details chart

Name/address of the Organisation	From	To	Position Held	Gross Salary		Reason for leaving
Siddhant Presssing Pvt.Ltd.,Waluj,Aurangabad	01.02.1999	02.07.2001	CAD Enginneer	Rs.5000/- P.M.	Rs.5500/-	Bright Future
Samotech CAD/CAM Consultancy, Aurangabad.	10.07.2001	20.12.2005	Mechanical Design Engineer	Rs.7000/- P.M.	Rs.10,000/-	Bright Future
Self Employed Independent Work of Design & drafting	21.12.2005	02.03.2007	Mechanical Design Engineer	Rs.Approx . 8000/- P.M.	Rs.Approx . 8000/- P.M.	Good Offer
Micro Maching services,Aurangabad	01.06.2007	26.05.2010	Sr. Engineer Design & Application	Rs.12000/- PM	Rs.18000/- PM	Bright Future
Fox Solutions,Nashik	02.06.2010	05.06.2014	Executive SPM	Rs.24000/- PM	Rs.28720/- PM	Bright Future
VGPL,Musalgaon,Sinnar	01.07-2014	01.04.2017	PLANT MANAGER	Rs.32000/-PM	-----	----- -

NIMT, Sikkim	01-05-2017	01-08-2019	Engg. Head	Rs.40000/-PM	Rs.60000/-PM	Work order closed
Achmeya Water Solutions, DMIC Shendra, Ch.Sambhajinagar	02-05-2023	31-03-25	Plant Inchrge & Project Coordinator	Rs.40000/-PM	Rs. 45000/-PM	Project work completed
Falcon Recycling Solutions	01-04-2025	Till now	Consultant	Variable	Variable	continue

Technical Courses:

“AUTO CLUSTER INSTITUTE OF RESEARCH & DEVELOPMENT LTD Pune.

1} Course in ‘Automotive Part Design & Development’

1. Auto part terminology,
2. Molding processes & issues in moldings,
3. Design guidelines for plastic parts,
4. Basics of Injection moldings design,
5. Basics of GD & T & Reverse engineering techniques.

2. Advanced Training Institute, Sion, Mumbai (Govt. Of India)

Operation, Maintenance & Testing of 3ø Induction Motor.

Design & Maintenance of Hydraulic System

PERSONAL DATA:

Date of birth : 3rd July 1974.
Nationality : Indian.
Marital status : Married (Family- wife & a 16 years old daughter }
Health : Sound.
Driving License : Two / Four Wheeler- LMV (NT) And Heavy Vehicle.
Hobbies : Reading Marathi & English Novels, Visiting historical places.

Place: Nashik

Sameer Dinkarrao Morey

Date: 31-05-2026

Project Details

I am giving details about assignments done as my work profile.

My work profile is related with Design & manufacturing of

1. **Special Purpose Machines**

2. Jigs & fixtures

3. Dies & press tools

4. Tool room items.

5. **Product development**

6. **Reverse Engineering Projects**

Design & manufacturing of **SPM**:

1. **MCB Testing Machine:**

This was the fastest MCB Testing machine assembly & trials were my responsibility for a leading Indian SWITCH GEAR MANUFACTURER.

2. **Winding / Capacitor Testing Machine:**

Testing of Capacitance of capacitors for a German MNC. Time required get charging & discharging.

3. **Rod Draw Machine (Optical Fiber) for Sterlite Industries, Aurangabad**

Manufacturing of Optical fiber (highly skilled process automation)

I was responsible for the installation & commissioning of Rod Draw Machine at Sterlite Aurangabad. This machine was for intermittent stage-Rod Drawing. This was Process Automation.

4. **Auto billeting Machine:** This machine was developed to cut soap bars in oval shape.

Mechanism consists of 5 nos. of continuously rotating cutters i.e. slitting cutters along with 5 nos. of bar holding aluminum plates, circular in shape (having hand drive mechanism)

Drive for slitting cutters consists of a 3 HP motor with 750 rpm with a reduction gear box (GR- 2:1)

Distance between two successive slitting cutters is equal to the thickness of the soap billet.

This thickness is adjusted by means of bush type spacer placed in between two slitting cutters.

If the thickness of the soap is to be changed, a new set of spacers of required thickness is assembled in between slitting cutters.

Oval shaped soap bars are placed in the oval cavities made in the bar holding plates.

Bar holding plates are assembled with the same sized spacers. A separate hand drive mechanism is given for smooth slitting of soap bars.

Cut soap billets are collected on the conveyor.

5. Nail cutting & riveting Machine:

Leather belts are used in forging presses for drive mechanism.

These leather belts are 4 or 6 ply with reinforcement of MS nails.

Belt manufacture has to pierce the nails in the plies with a derived pitch along the periphery.

One side of the belt has head of the nail & other side is to be cut & riveted with a washer.

Cutting mechanism is done by a **shearing blade** pushed by a hydraulic cylinder of bore $\Phi.50\text{mm}$ & stroke length 300 mm.

Riveting is done by **hammering** with an **eccentric round plate** having drive of 2 HP geared motor with 750 RPM. (O/p rpm-75)

Belt is pressed by hand operated power screw & at a time 3 nos. of nails are cut by to & fro stroke mechanism.(shearing mechanism)

Washers are already placed in each nail before cutting.

2) SPM for cutting 3mm thick corrugated square pipe :

A square shaped corrugated pipe has be cut for a specified length (mass production)

As the pipe was corrugated ($L \times B \times T = 300 \times 150 \times 3 \text{ thk. mm}$), direct shearing was not possible.

Male-female arrangement was done i.e. die block & a punch.

Die block- this occupies the corrugated space of the pipe.

Punch- punch block has exact dimensions of corrugated pipe & same corrugated profile on its periphery.

Cutting stroke of the punch is theoretically equal to the breadth of the pipe.

Pipe passes over the corrugated die block & movement stops when touches the sensor.

Then PN-cylinder gets operated to hammer the corrugated punch on the pipe. Punch has **5° taper** along its periphery for *effective & burr free shearing*.

3) Hand operated rod bending SPM:

Requirement was for bending the rods at specified length & angle. These rods were used for trigger switches of heavy duty MCB circuit.

A round circular plate marked with degree scale 0° to 360° for angle adjustment over outer PCD.

A circular block fitted on the base round plate concentrically & having a hole passing through its centre horizontally.

Rod or pipe can be inserted through this hole up to a specified length, a lever revolving around the centre bend the rod by measuring degrees on the scale provided.

4) Automatic spray painting SPM:

A rectangular metal covering is to be painted along its length, breadth & top face.

Requirement was that coating should not be more than 0.5mm. Just single uninterrupted travel of **two spray guns** was sufficient for coating.

- a. 1st gun (horizontally mounted) for spraying lateral faces of the part (i.e. two lengths & two breadths)

Single length- time cycle 5 seconds; single breadth- time cycle 3 seconds

(Lateral faces= two lengths + two breadths, time, $t_{\text{lateral}} = 5+5+3+3 = 16$ secs.)

After 16 secs gun stops spraying to avoid multilayer coating.

- b. 2nd gun (vertically mounted) for spraying top face.

(Top face, time, $t_{\text{top}} = 5$ secs.)

At a time 6 pieces were painted (**time cycle 21 secs for single piece**)

Pieces are mounted on holding pins (6nos.) which can be rotated at 90° manually by a wheel provided below the table. (Timing belt mechanism)

After completion of 360°, one rotation of wheel i.e. (4 lateral faces), horizontal gun stops & vertical gun

Starts. (**After one revolution, wheel touches the limit switch which stops the horizontal gun & starts the vertical gun**)

Both guns travel with two horizontal supporting bars with two linear motion bearings.

5) Shredding Machine to shred polyester film:

Requirement was to shred the waste polyester film for recycling.

Reduction was up to 5 to 10 mm which was then used as in feed to granulator.

(Drive- 5 HP geared motor, o/p rpm- 300)

6) Shredding Machine to shred soap rappers:

Requirement was to shred the waste **soap rappers**.

Reduction was up to 10 to 12 mm which was then bailed.

(Drive- 3 HP geared motor, o/p rpm- 120)

7) Slitting Machine for aluminum round bars:

Automatic bar feeding (dead weight pedestal system) Mechanism was used to feed the bars (at a time two bars)

As 'Al' is soft material, parallel slitting is a critical job. Pieces to be cut at a specified length & both parallel faces should be within 10 microns (parallelism)

Carrier for bars was provided with linear motion bearings a high speed cutter (2 HP motor, 750 rpm)

Motor + cutter assembly moves upward by a double acting HYD cylinder to slit the bars.

12. PN cylinder operated fixture cum SPM:

To drill a through hole of Φ 1.5 mm at an angle of 15° with vertical in the second quadrant.

13. *Process Automation Food & Pharma Industry.*

I will explain it with the help of sketches.

Sir, I have mentioned some assignments.

Process of development starts from

1. Requirement of the party
2. Proposal drawing
3. Final drawings & material selection
4. Process of manufacturing
5. Assembly & trials
6. Dispatch

Sincerely yours

Sameer Morey

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