



**POWERING INDUSTRIES
WITH PRECISION**



Established in 1996, Prikan Machinery Pvt. Ltd. is a leading manufacturer of plastics injection moulding machines. With a strong foundation in innovation, advanced engineering, and customer-driven service, we have grown into a global solutions provider for plastics and industrial process industries.

From our 5,300m² facility in Kadi GIDC Gujarat, India, we deliver over 450 machines annually, with more than 5000 installations worldwide. Our commitment to quality and innovation has enabled us to serve clients across 40+ countries, with a strong presence in SAARC, Middle East, Africa, Australia, and Europe.

VISION

- To be the most trusted global partner in injection moulding and turnkey manufacturing solutions.
- Leading the shift towards energy-efficient and sustainable technologies in the plastics industry.
- To empower clients with innovative, customised and future-ready production systems.
- To strengthen India's position on the global manufacturing map through precision engineering from Ahmedabad.

MISSION

- Establish Prikan as a world-class business organisation in plastics machine technology.
- Expand with customer-focused solutions for diverse plastic applications.
- Drive dynamic growth, adapting to evolving market needs.
- Strengthen our global presence with industry-leading manufacturing and service standards.

Our upcoming mission is to plan and execute the expansion of our Unit area by 25,000 sq. meters, developing a state-of-the-art manufacturing facility that enhances capacity, efficiency, and technological capability.



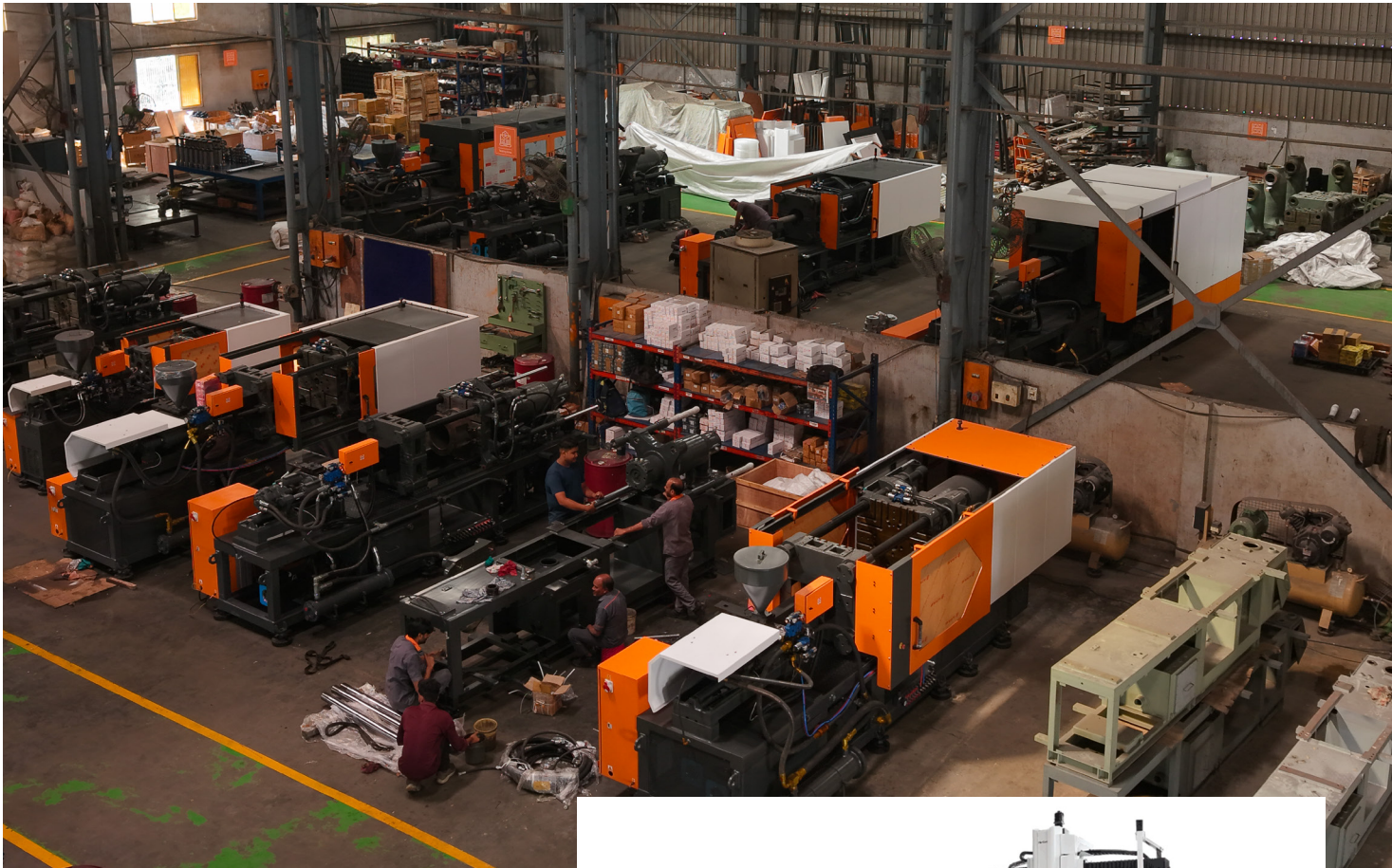
MODERN MANUFACTURING FACILITY



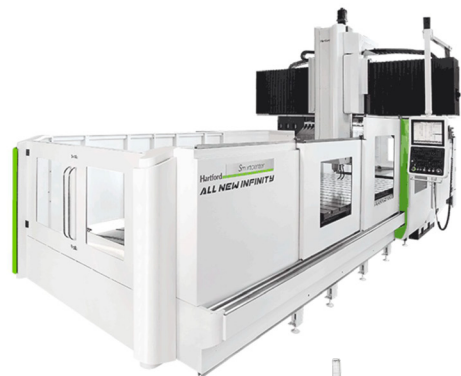
PRIKAN MANUFACTURING EXCELLENCE

1

➤ Machine Shop

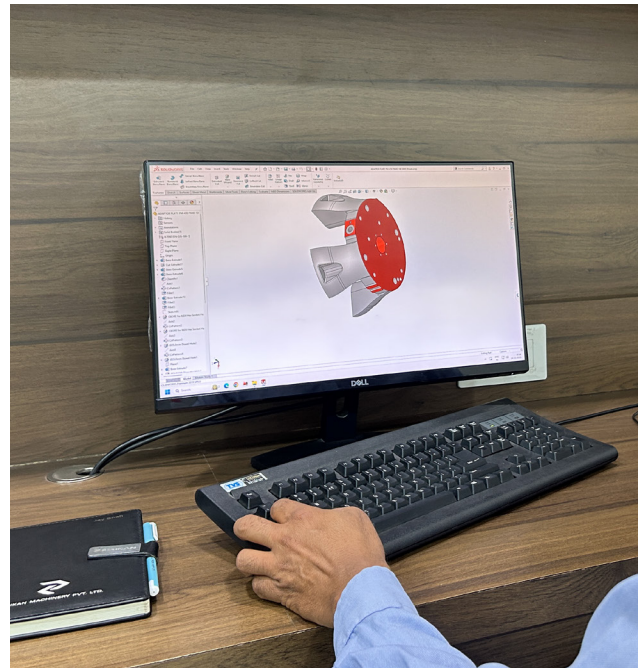


- High-Speed Machining Centers
- Boring Machines, Vertical Milling Machines
- Cylindrical Grinders, Surface Grinders
- Radial Drilling, Vertical Honing Machines
- Dedicated Cells for Platen Machining
- Manifolds & Turn Parts



➤ Design & Engineering

- **Advanced software and simulation tools for:**
- Finite Element Analysis (FEA)
- Stress & Impact Load Analysis
- Computational Fluid Dynamics (CFD)
- Life Cycle Assessment (LCA)



➤ Specialised Facilities

- **Paint Shop:**

Pressurised grit blasting, wet paint booths, solvent extraction.

- **Heat Treatment Shop:**

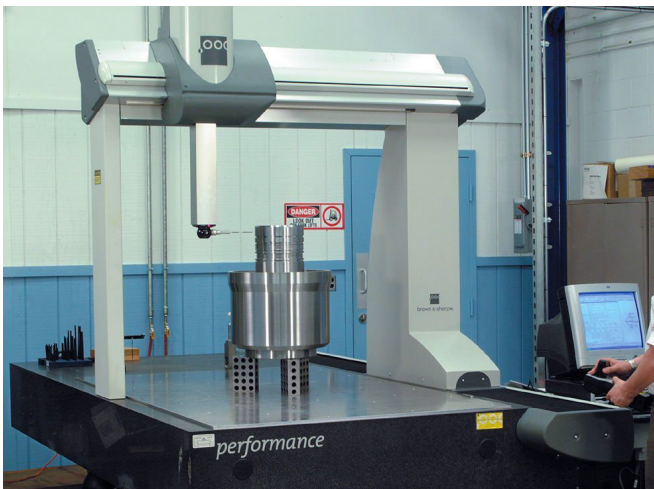
Gas nitriding for superior hardening of barrels, feed screws, and valves.



➤ Assembly & Manufacturing

- Cellular Manufacturing with Injection, Clamp & Electronics integration.
- Synchronous Material Feeding.
- Flexibility for Customisation.
- ERP-driven process management for productivity.





QUALITY ASSURANCE & EXCELLENCE

➤ Precision Engineering

All machines are designed and manufactured with strict dimensional accuracy and reliability standards.

➤ Rigorous Testing

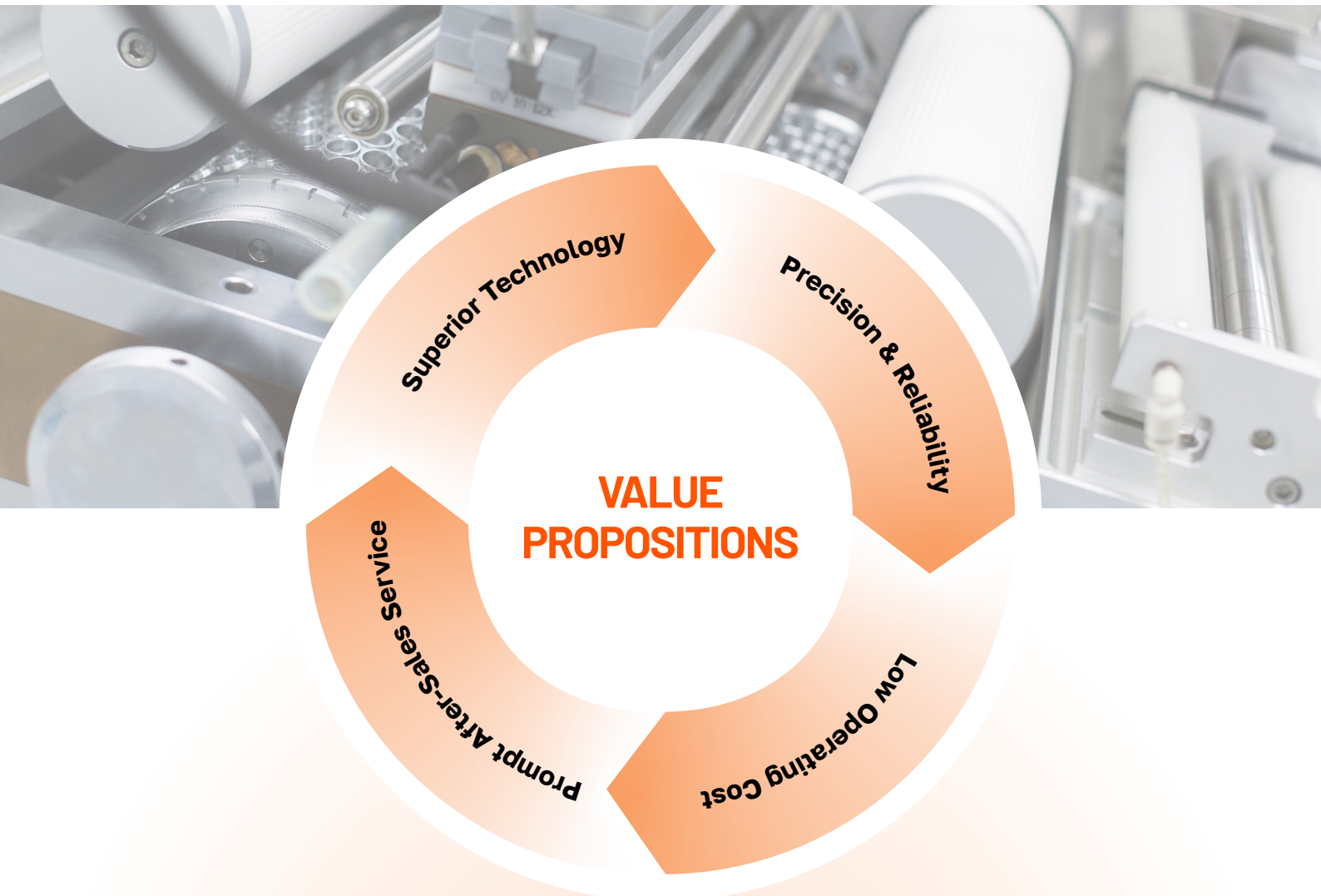
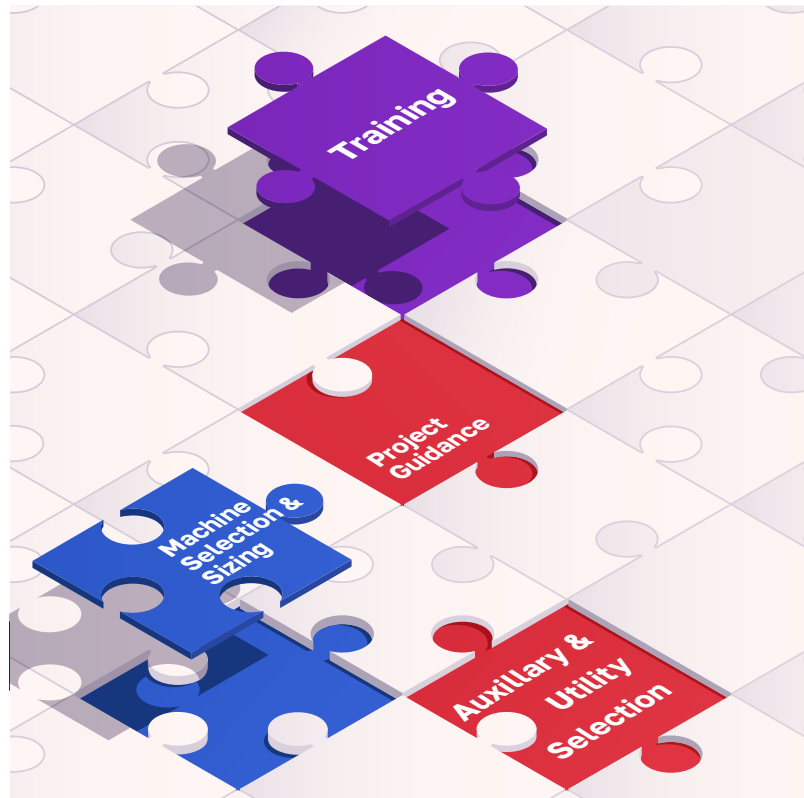
Each product undergoes comprehensive quality checks to ensure consistent performance and durability.

➤ Global Standards Compliance

Adhering to international certifications and benchmarks for safety, efficiency, and product excellence.

VALUE ADDED SERVICES

- Proper Machine Selection & Sizing
- Auxiliary & Utilities Selection
- Turnkey Project Guidance
- Training Programs: **In-Plant & Field Training**
- Dedicated Spare Support & Service



TURNKEY SOLUTION

Complete Production System. Ready to Run.

➤ End-to-End Project Support

From concept to commissioning, Prikan manages every step, ensuring your production line is ready to perform from day one.

➤ On-Site Installation & Commissioning

Expert teams handle machine setup, calibration and trial runs for smooth, error-free startup.

➤ Training & Skill Support

Operator and maintenance training provided both on-site and in-plant to ensure efficient machine handling.

➤ Complete Machine Delivery

Fully assembled and tested machines delivered to your facility, do not need multiple vendors or external setup.

➤ Auxiliary Equipment Integration

Comprehensive integration of essential systems such as dryers, chillers and controllers for a complete operational unit.

➤ After-Sales & Spare Support

Dedicated technical assistance and quick spare availability to minimise downtime and maximise productivity.



SERVING INDUSTRY SEGMENTS

Automotive



Prikan's machines produce high-precision, durable automotive components with reliable efficiency and quality.

Construction



We provide robust injection moulding solutions for durable plastic parts used in the construction industry.

Consumer Goods



Our machines ensure cost-effective, high-volume production of everyday consumer products with superior quality.

Electronics & Telecom



Precision Moulding for intricate electronics and telecom components with low operational costs.

Medical



We deliver reliable injection moulding machines for producing high-quality, medical-grade plastic parts.

Packaging



Prikan's machines enable efficient, high-precision production of lightweight and durable packaging materials.

OUR PRODUCT PORTFOLIO

1

Eon Servo (80-400 T)

General - Purpose Injection Moulding Machine



> Range

- 80 | 120 | 160 | 200
260 | 320 | 400 Ton

> Generous Mould Space

- Accommodates Large Moulds

> Clamp on LM Guide Ways (200T onward)

- Precise Linear Guide ways for Faster Movement with no Frictional Losses
- Higher Mould Carrying Capacity
- Enhanced Mould Parallelism & Squareness
- Lower Grease Consumption

> Closed Loop PID Temperature Control

- Provides Precise Temperature Control
- Excellent Process Control & Stability

> Twin Cylinder Injection Unit

- Uniform Load Distribution across Screw Center line
- Frictionless L M Guideways improve the Injection Power & Cylinder Alignment

> Large Ram Diameter

- Provides Uniform Force Distribution across Platen
- Provides Excellent Mould Squareness & Parallelism
- Reduces Mould Wear



> X-Mould 9 User Friendly Control

- Extreme Slim Panel Design
- High Speed Microprocessor
- Direct Access Menu Keys
- Graphical Presentation of Machine Features
- Self Diagnostic & Fault Finding Capability
- Parameter Entry in Absolute Value
- Statistical Process Control (SPC)



> Servo Motor

- Outstanding Energy Saving
- Faster Response towards Hydraulic System
- Excellent Shot Weight Consistency
- Reduced Noise Level



ULTRA SERVO (60-650 T)

High Performance Hydraulic Injection Moulding Machines.



> Range

- 60 | 110 | 125 | 150 | 200
280 | 350 | 450 | 650 Ton

> Generous Mould Space

- Accommodates Large Moulds

> Clamp on LM Guide Ways (150T onward)

- Precise Linear Guide ways for Faster Movement with no Frictional Losses
- Higher Mould Carrying Capacity
- Enhanced Mould Parallelism & Squareness
- Lower Grease Consumption

> Closed Loop PID Temperature Control

- Provides Precise Temperature Control
- Excellent Process Control & Stability

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ASTRAL PRO (110-450 T)

The powerful, high-speed and efficient injection moulding machine.



> Areas of Application of the Astral Pro Series



Thin-walled Packaging



Caps & Closures



IML Containers



Sipper Glass

> Leading Advantages of the Astral Pro Series



Intelligence



Precision



Speed



Stability



Power Saver



Dynamic

> Benefits of the Astral Pro Series

- Application-specific configuration options
- Maximum productivity and total precision
- Superior reliability and availability
- Minimum energy consumption
- Increased overall performance provides substantial material savings
- User convenience because it is easy, quick and intuitive to use.
- Clean and precise clamping unit.
- Flexible operating unit.
- Highly precise injection unit.
- Superior shot-to-shot consistency.
- Optimal maintenance.

PM PET SERVO (125-450 T)

Advanced Solutions for PET Preform Manufacturing



➤ Advanced Clamping for Efficiency & Accuracy

Designed for precision, the PET Series clamp system runs on LM guideways, reducing friction and enhancing movement. It supports higher mould loads while ensuring perfect alignment and stability.

➤ Ejector

- High ejector force with large strokes
- Multi ejector holes for multi cavities
- Settable speed & pressure in HMI
- Parallel ejector operations possible (optional)

➤ Machine Base Structure

The lower machine base height improves stability and reduces vibrations, even at high moulding speeds.

➤ Servo Controlled Pump

- For Energy Saving
- Smooth operation & low noise level

➤ Mould Care System

Your mould is the heart of your injection moulding process, and protecting it is our priority. The new PET Series machines come equipped with an intelligent mould Safety system that continuously monitors each cycle. If any leftover material or foreign object is detected between the core and cavity, the system instantly intervenes to prevent damage. With real-time data analysis after every cycle, our machines ensure smooth, efficient, and safe operations-so you can focus on production without worries.

➤ Injection

- 6 Stage settable Injection speed & pressure
- Closed Loop Pressure Control through pressure sensor
- Settable Pack/Hold pressure steps
- Linear position transducer
- Sliding Hopper mechanism
- High Through output & Quick response
- Insulated Ceramic Heaters
- Barrier Screw design for better melt quality and low shear
- Heater Failure Detection & Monitoring on screen
- Injection unit with LM Guides
- High torque Hydro motor

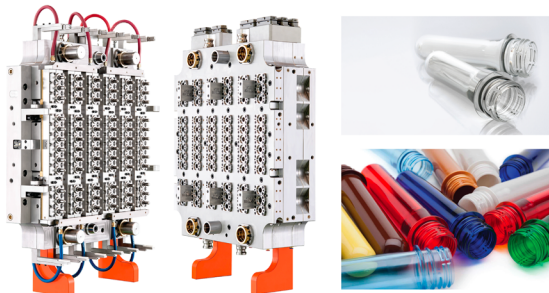
PET PLUS SERVO (150-450 T)

Highly-Efficient Solutions for the Manufacture of PET-Preforms



- With individually configurable PET system solutions from PRIKAN you get highest quality, lowest production costs and an optimised eco-balance. PRIKAN provides you system solutions with everything from a single source; the machine, mould, hot runners, water manifold system, material dryers, dry air curtain units, chillers, conveyors and other peripheral equipment

The machines and complete systems are configurable from **24 to a maximum 96 cavities**.



➤ Process chain for selecting configuration

- | | |
|--------------|-------------------------|
| (1) Ideation | (4) Execution |
| (2) Concept | (5) System Installation |
| (3) Strategy | (6) Support |

➤ Your benefits in a Pet Plus

- Lowest energy consumption
- Increased ease of use thanks to smart machine control
- Low unit costs due to leading efficiency and maximum availability
- Comprehensive options package for individual and situation-specific optimisations
- Leading long-term productivity thanks to state-of-the-art technology and robust design
- New screw design for efficient processing of all common PET types, recyclates and additives

OUR NETWORK & GLOBAL REACH

Prikan has built a strong and diverse client network across multiple industries worldwide. With installations in over 40 countries, our solutions are trusted by leading manufacturers for their quality, precision, and reliability.



South Africa | Zimbabwe | Zambia | Tanzania | Nigeria | Senegal | Congo
Kenya | Ethiopia | Sudan | Ghana | Russia | India | Spain | Cypress | Oman
Holland | Greece | Australia | UAE | Yemen | Sri Lanka | Nepal | Saudi Arabia

40+

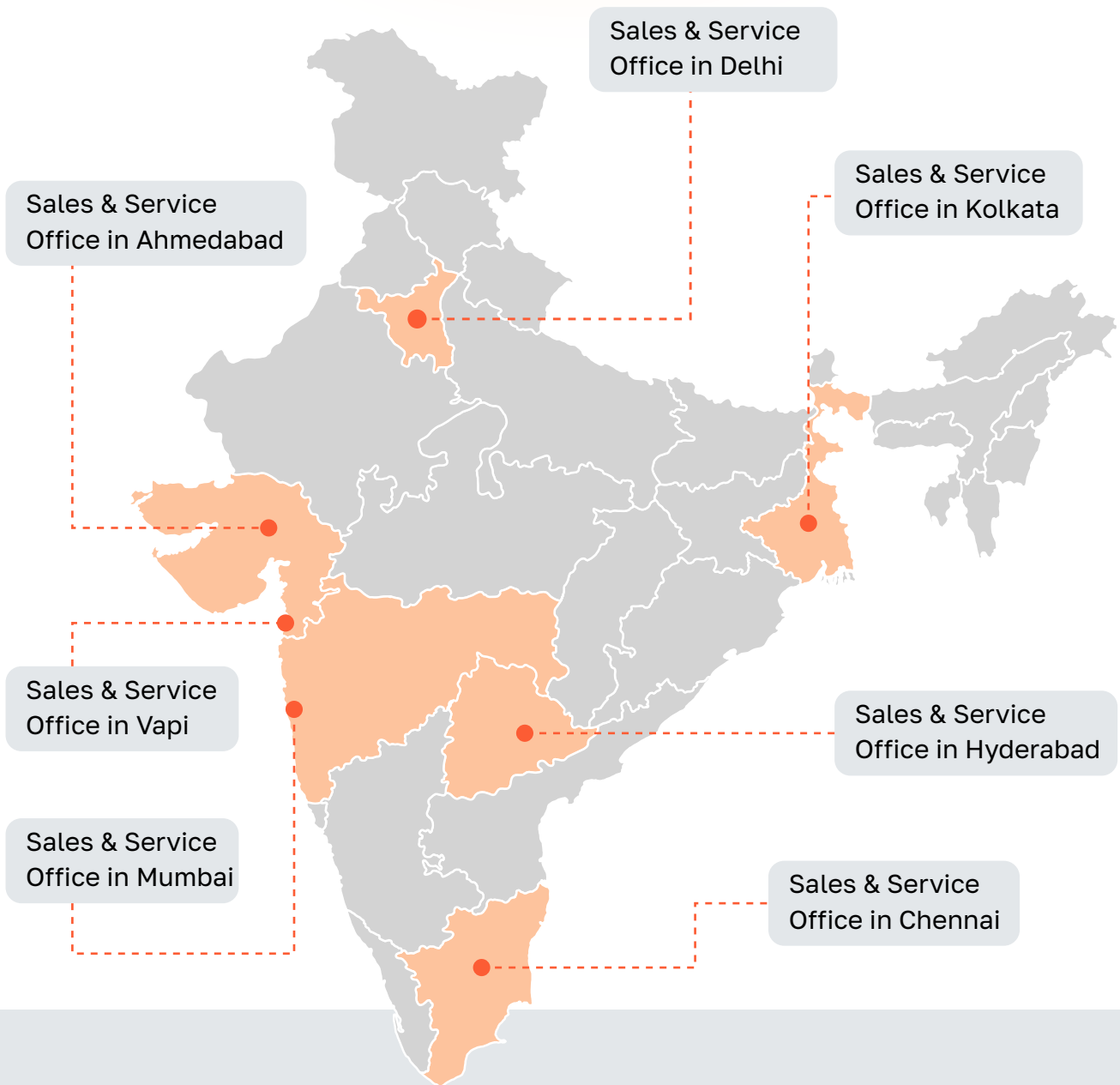
countries served
worldwide

28%

of sales from international
markets

Trusted by global
clients for quality,
performance, and
lifecycle support

SALES & SERVICE NETWORK



To ensure reliable service and faster response times, Prikan has established a strong nationwide network:

- Sales & Service Offices in New Delhi, Kolkata, Mumbai, Hyderabad, and Vapi
- Centralized Spare Stock hub in Ahmedabad
- Technically equipped service personnel at decentralized centers across major industrial towns

PROUD CORE TEAM

A Leading Global Solutions Provider

Nilesh Patel

CEO

Leads Prikan's vision, strategy and global growth, ensuring excellence, innovation, and long-term industry leadership.



Krunal Patel

Director

Oversees engineering, R&D and product innovation, ensuring every machine meets strict performance and quality standards.



Shrideo Pal

Sales Director

Drives market expansion and client partnerships, delivering solutions that align with industry needs and customer goals.





Prikan Machinery Pvt. Ltd.

(Mfgs. Plastic Injection Moulding Machine)

Sales Office

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Navi Mumbai-400701

Manufacture Unit

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Kadi, Gujarat-382715.

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