

EXTRUSION MACHINERY & SOLUTIONS

- ♦ Screw & Barrel
- ♦ Pipe Extrusion Lines
- ♦ Blown Film Plants
- ♦ Soft PVC Profile Plants
- ♦ Pulverizer & Grinder
- ♦ Compounding Plant
- ♦ High Speed Heater & Cooler Mixer
- ♦ Injection Moulding
- ♦ Laboratory Equipment

From R&D Trials to High-Output Production
♦ Precision Engineering ♦ Turnkey Extrusion Lines ♦ Global Service Support



THE COMPANY



**SINCE
1992**

OUR CORE STRENGTH

100K

SQ. FT.
MFG. AREA

5000⁺

SUCCESSFUL
INSTALLATIONS

50⁺

COUNTRIES
EXPORT

97%

CLIENT
RETENTION

100%

IN-HOUSE
MFG.

PRECISION

ENGINEERING
EXCELLENCE

TURNKEY

PROJECT
EXECUTION

**HIGH
OUTPUT**

PRODUCTION
SYSTEMS

TRUSTED BY INDUSTRY LEADERS

DOMESTIC CUSTOMERS

GLOBAL CUSTOMERS



And many more customers worldwide - growing every year through referrals, repeat orders, and long-term trust.



Infrastructure

INTEGRATED WORLD CLASS FACILITIES

Shree Radhekrishna Extrutech Pvt. Ltd. has emerged as India's largest manufacturer of screws -barrels with state-of-the-art manufacturing set up at Ahmedabad. The Factory is set up in the area of 100000 sq ft with machining facility based on CNC & DRO and also in house Nitriding furnace. The same facility also builds a variety of plastic processing machinery and spares to cater to the ever-growing needs of customers.

HIGH-QUALITY TEAM

The company employs 150 devoted manpower including 30 skilled engineers from different fields. R & D department is manned with skilled and experienced engineers. The other business functions are staffed by higher caliber and qualified experts.



Reception



Waiting Lounge



Executive Lounge



Business Head Office



MD's Office



MD's Meeting Lounge



Meeting Room



Marketing Area



Manufacturing Facilities

Sr. No.	Machine Type	Number of Machine
1	CNC thread Milling Machines	8
2	CNC Turning Centre	3
3	Lathe Machines	23
4	CNC Deep Hole Twin bore machine	1
5	CNC Deep Hole Machine	1
6	CNC Gun Drilling Machine	1
7	Honning Machine	2
8	Screw Polishing Machine	4
9	VMC Machine	2

Sr. No.	Machine Type	Number of Machine
10	Cylindrical Grinding Machine	2
11	Redial Drilling Machine	3
12	CNC Gear Hobbing Machine	2
13	Screw Straightening Press Machines	2
14	Nitriding Furnace	2
15	Manual Thread Milling	4
16	Horizontal Boring Machine	4
17	Screw Coating facility	1



Turning Center Machine



Gun Drill Machine



VMC Machine



Screw Thread Milling Machine



Dedicated Quality Team



Gas Nitriding furnace



Screw Thread milling machine

Why Our Screws & Barrels?

Transform your extrusion line with precision-engineered components that deliver unmatched performance, reliability and ROI.

- **Expert Manufacturing Excellence**

We specialize in crafting Screws & Barrels for every extrusion application, engineered to meet your most demanding requirements and ensure smooth, efficient operations.

- **Unrivalled Durability & Performance**

Precision-hardened parts enhance throughput and extend equipment life-so you maximize output and minimize costly downtime.

- **Decades of Proven Expertise**

Backed by an Expert Engineering Team with over **20 years'** **average tenure**, we deliver the technical know-how and attention to detail your projects demand.

- **Uncompromising Quality Standards**

- **Rigorous Inspection:** Every stage undergoes meticulous quality checks for absolute precision and specs compliance.
- **End-to-End Traceability:** Full material traceability via Material Test Certificates (MTC) and comprehensive laboratory testing.
- **Advanced Nitriding Technology:** PLC-controlled gas nitriding furnaces eliminate human error, guaranteeing consistent hardness and performance.

- **Tailored Solutions**

From custom geometries to specialized coatings, our team designs each component to your exact extrusion requirements.



Features That Drive Your Success

- Fast, reliable delivery to meet critical timelines
- Global trust from industry leaders
- Optimized geometry for superior efficiency
- Hassle-free installation
- Low maintenance costs
- Durable bimetallic construction
- Abrasion-resistant coatings
- High-precision design
- Advanced hardening techniques
- Wide application compatibility
- Precision cooling system
- Anti-corrosion assurance

Benefits That Pay Dividends

- Longer service life for sustained reliability
- Enhanced productivity through peak performance
- Energy-efficiency optimization
- Rapid, reliable operations
- Global standards compliance
- Cost-effective solutions
- Perfect-fit integration
- Extended product warranty
- Precision engineering for accurate results
- Proven expertise backing every component
- Superior end-product quality

Diverse Applications: Powering Industries Worldwide

Pipe Plant

- PVC Pipe Plant (RPVC, UPVC, CPVC, SPVC)
- HDPE Pipe plant
- PVC Braided plant
- Suction Hose plant
- Garden hose plant
- Flat drip & Round Drip plant

Sheet Plant

- Air bubble sheet plant
- PP sheet plant
- HIPS sheet plant
- PVC sheet plant
- Thermo forming sheet plant

Film Plant

- PVC film plant
- Monolayer & ABA Plant
- Multilayer film plant
- Tape plant

Other

- Cable Extrusion
- Compounding plant
- Injection Molding
- Blow Molding
- Compounding & Master batch plant
- Reprocess plant
- Profile extrusion

Why Nitriding Is a Game-Changer

Unlock next-level performance by infusing nitrogen into extrusion components-boost hardness, wear resistance and corrosion protection in one treatment.

- **Increased Surface Hardness (Wear Resistance):** Ultra-hard finish reduces wear and friction, improving polymer flow.
- **Material Compatibility & Corrosion Defense:** Bonds with diverse alloys for corrosion-proof parts.
- **Superior Fatigue Strength & Dimensional Stability:** Locks in geometries, preventing distortion under cycling.
- **Extended Service Life:** Lengthens component life to cut replacement and downtime costs.

Nitroalloy 135M vs. 38CrMoA1A (Standard Nitriding Steel)

Feature	Nitroalloy 135M	38CrMoA1A (Std.)
Surface Hardness (HRC)	65-70	60-65
Wear Resistance	Superior	Good
Corrosion Resistance	Excellent	Moderate
Temperature Resistance	High	Moderate

Elevate your extrusion outcomes today-choose nitriding to deliver exceptional durability, consistent quality and maximum ROI, so your line never skips a beat.



Since 1992 - Precision That Performs

Engineered screw & barrel solutions for
demanding extrusion & injection applications

Built on Three Decades of Manufacturing Experience

- ♦ Focused exclusively on screw & barrel manufacturing since 1992
- ♦ Strong process knowledge backed by skilled machining and metallurgy
- ♦ Serving plastic processors across extrusion and injection segments
- ♦ Proven performance across domestic and export markets

Designed for **Reliable,** Long-Term Performance

- ♦ Nitrided and bimetallic screw & barrel solutions for varied duty cycles
- ♦ CNC-machined for dimensional accuracy and repeatable output
- ♦ Wear-optimized designs for stable processing and extended service life
- ♦ Quality-controlled manufacturing aligned with global supply requirements



SINCE 1992

The Difference **you** Measure in **Output.**



Ordinary Screw

- ♦ Limited & unpredictable service life
- ♦ Accelerated wear with abrasive or filled materials
- ♦ Frequent stoppages for repair or re-machining
- ♦ Inconsistent melt flow and output variation
- ♦ Higher cost per kg produced over time



Radhe Krishna Screw

- ♦ Engineered for long-term, stable production
- ♦ Enhanced wear resistance across common polymers
- ♦ Refurbishable design for extended usable life
- ♦ Consistent processing and repeatable output
- ♦ Lower total cost of ownership over the machine lifecycle



Powered by Specialized Series

RK9999 LIGHTNING SERIES

Optimized screw designs delivering **faster response, smoother processing,** and improved overall efficiency across a wide range of applications.

EXTRUMAX SERIES

High-performance screws engineered for maximum output, superior wear resistance, and demanding production environments involving fillers and abrasive blends.



Built from the Inside Out

Where Metallurgy, Geometry, and Control Come Together

Built for Continuous Industrial Duty

65–68 HRC | Through-Hardness

- ✦ Deep diffusion nitriding for fatigue strength
- ✦ Stable hardness profile for long service life
- ✦ Reliable performance under continuous load



Flow Control at Production Scale

Micron-Level Accuracy

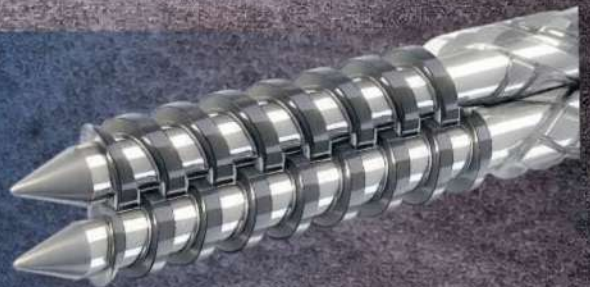
- ✦ CNC-machined flight profiles
- ✦ Optimized melt conveyance and pressure stability
- ✦ Reduced wear with consistent output



Protection for High-Load Processing Zones

HVOF | Super Abrasion Resistant

- ✦ Dense, crack-free WC coating
- ✦ Designed for abrasive and filled polymers
- ✦ Significantly extended wear life in high-duty zones



Bore Integrity Over Extended Service Life

Surface Hardness & Corrosion Protection

- ✦ Uniform nitrided layer for bore stability
- ✦ Enhanced resistance to wear and corrosion
- ✦ Compatible with coated and nitrided screws



ENGINEERED FOR REAL PRODUCTION

Built to endure high-abrasion plastics processing through advanced metallurgy and in-house manufacturing control.

Engineered to Perform Across Diverse Plastic Processing Applications



PIPES

Optimized screw and barrel designs for consistent melt flow, dimensional stability, and extended wear life in pressure and non-pressure pipe extrusion.



FILMS AND SHEETS

Designed for uniform melt conveyance, gauge consistency, and dimensional accuracy across blown and cast film applications.



INJECTION & BLOW MOLDING

Precision-engineered screw designs deliver repeatable shot-to-shot consistency in injection molding and uniform parison control in blow molding for high-quality molded parts.



MEDICAL & PHARMA

High-quality processing solutions for medical-grade polymers, where stability, repeatability, and surface integrity are critical.



CABLE & WIRE

Nitrided and wear-resistant screw & barrel solutions for insulation and jacketing, delivering reliable performance under continuous operation.



COMPOUNDING, MASTER BATCH & RECYCLING

Wear-protected geometries and coatings engineered to handle regrind, contaminated streams, and filled materials with improved service life.



PROFILES

Engineered for dimensional accuracy, smooth surface quality, and stable output in window, door, and structural profile extrusion.

- | Superior Wear Resistance
- | Consistent Throughput
- | Refurbishable Design
- | Long-Term Control