



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

VS



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.



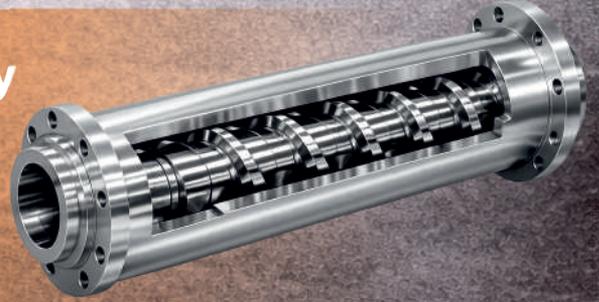
Built from the Inside Out

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

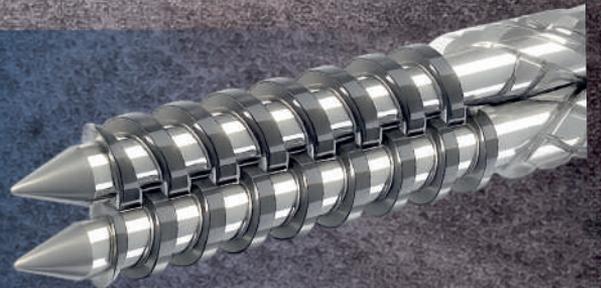
- ✦ CNC-machined flight profiles
- ✦ Optimized melt conveyance and pressure stability
- ✦ Reduced wear with consistent output



Protection for High-Load Processing Zones

HVOF | Super Abrasion Resistant

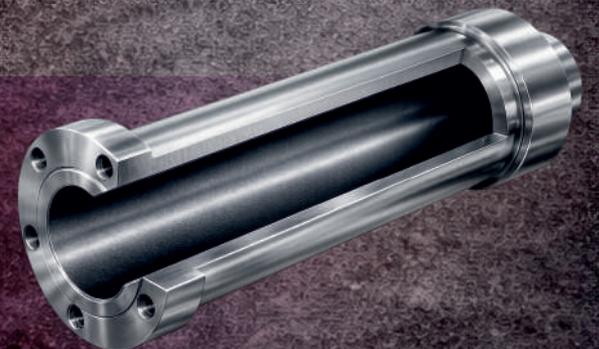
- ✦ Dense, crack-free WC coating
- ✦ Designed for abrasive and filled polymers
- ✦ Significantly extended wear life in high-duty zones



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

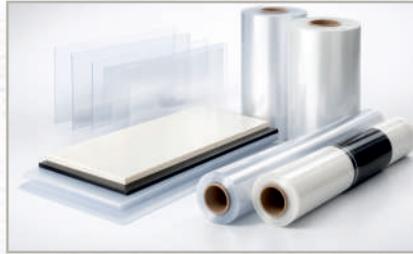
Built to endure high-abrasion plastics processing through advanced metallurgy and in-house manufacturing control.

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



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