

INJECTION MOLDING SCREW BARREL



HI-TECH Screw Barrel Works is one of the most trusted company which is engaged in manufacturing and exporting of injection molding screw barrel sets in INDIA. Specialized in manufacturing of injection molding screw barrel sets from **Dia. 20mm to Dia. 150mm & length up to 4000mm.**

Various Uses in Plastic Industries:

Injection molding screw barrel sets are used for the injection process of materials like **GLASS FILLED, ABS, PVC, LDPE, HDPE, LLDPE, POLYPROPYLENE** etc.

Characteristics :

- ☆ High degree of material and thermal homogeneity.
- ☆ Under varying process conditions.
- ☆ Screw geometries adjusted to the plastic properties.
- ☆ Maximum throughput and plasticizing performance.
- ☆ Applications specific material designs.
- ☆ For highest efficiency.
- ☆ Highest precision from shot to shot.
- ☆ Through highly developed components.

Application Industries:

- ➔ Automotive
- ➔ Defense
- ➔ Consumer Goods
- ➔ Construction
- ➔ Medical
- ➔ Electronics & Telecom

Technical Details :

- ➔ The standard mixing screw ensures even distribution of colour pigments throughout the melt.
- ➔ The procedural principle of barrier screw with mixing ring is to separate solid and molten material through the barrier flight guarantees the highest level of melting capacity, while an additional dynamic mixing head ensures a very even distribution of colour pigments.
- ➔ Requirement of barrier screw with **medoc and mixing ring** in automotive industry to deliver high performance across a board range of applications.
- ➔ Bimetallic Alloy coating on screw against high wear resistance material like Nylon, 30-40% Glass field, Reprocess, house hold material etc. for better life and performance of screw barrel.

