

MANUFACTURING OF PLASTIC
EXTRUSION MACHINERY & SPARES



www.teknicacorporation.com



AN ISO 9001-2008
CERTIFIED COMPANY



BARRIER SCREW AND BARREL

VENTED SCREW AND BARREL



Used when volatiles must be removed in order to make satisfactory product. Vented screw is essentially two screw on the same shaft. The first works as a conventional screw by feeding, melting & conveying the polymer forward. The second screw does the same, except it is melt-fed by the first screw. The first screw operates with no head pressure, while the second has to overcome any head pressure from the die and other downstream component. Vent given on the barrel at second screw remove gases generated during melting process of polymer & gives satisfactory product.

APPLICATION

♦ Plastic recycling industries, pipe industries and sheet making industries.

RANGE - Dia 50mm to 250mm up to 5000mm length



Barrier screw is used in cases when even optimally designed screw is not capable of completing the melting process. In such cases the extrudate will contain un-melted particle. This can be prevented by building a barrier or secondary flight in the channel. The barrier flight is undercut and permits the passage of only fully molten plastic. The design of the barrier screw ensures complete melting of polymers.

Barrier screw can be used with plain or grooved feed barrel. Different mixing and shear section can be added to screw design to improve mixing properties in screw according to polymer requirement. Barrier screw and barrel are used for higher production and high quality of final product.

APPLICATION

- ♦ Tape stretching line
- ♦ Multi-layer & monolayer blown film plant
- ♦ Monofilament plant
- ♦ Coating & lamination plant
- ♦ Sheet plant
- ♦ Injection moulding etc.

RANGE - 45 mm to 150 mm up to 5000 mm length



TEKNICA CORPORATION | AN ISO 9001-2008 CERTIFIED COMPANY
43, Mathur Master Estate - II, Opp. Babul Zafrani Patti, Nr. Nagarvel Hanuman,
Amraiwadi Road, Rakhial, Ahmedabad - 380 023. Gujarat - India.
+91 98251 35044 | +91 99090 23644 | +91 99251 09044
kishorp@teknica corporation.com

www.teknica corporation.com