



## ANCILLARIES & SPARES

For Plastic Extruders

**MALIK'S offer following Ancillaries for Plastic Extruders:**

- **Plastic Scrap Grinders from 1 HP to 10 HP.**
- **MIX-O-WELL High speed mixer for PVC Compounding.**
- **Extruder Instrumentation & control panels for temperature, motor speed, pressure measurement and process automation.**
- **Crammer Feeders for feeding light weight materials in Extruder.**
- **Extrusion Dies & Tooling, Static mixers.**



High speed Mixer for PVC Compounding 50 Kg batch cap.



Crammer Feeder for Extruder



Strand Pelletisers



Plastic Scrap Grinder 175mm blade, 1 HP motor.

## SCREWS & BARRELS:

*Whether you need to duplicate your existing designs or need our assistance in new designs, we satisfy you fully to solve all your problems!*

*Our manufacturing range is from 16mm dia. To 150mm dia. In any L/D ratio. Common materials for screws are 4140 steel with Stellite 6 facing, flame hardening or tungsten carbide coating on flight OD. Nitralloy steel duly nitrided also works well for many polymers, while Stainless steel is a choice for food applications and corrosive polymers. Barrels are usually made from D2 steel duly hardened, or from Nitralloy, Hastalloy, Stainless steel, etc.*

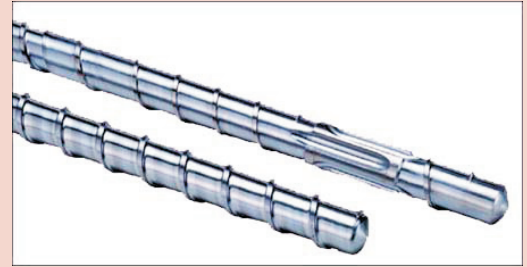
**MALIK'S**



*Screw elements for compounding TSE*



*Twin Barrel segments for compounding TSE*



*Single screws in various designs*



*Barrel for single screw Extruders*



*Colour blender*



*Twin screw sets for TSE*

## **STATIC MIXERS:**



*This device is usually installed between the Barrel and die on Extruder, to improve the polymer homogeneity and provide adequate mixing without inducing any extra shear to the polymer & ingredients.. It serves to control the viscosity of melt & temperature and also promote efficient cooling of melt, e.g in compounding of ingredients which cannot take undue shear, or proper dispersion of blowing agents & viscosity control in foam systems, etc., Eliminating temperature gradients, and ensuring a thermally homogenized material without thermal degradation.*

*Available in various designs, including single stationery helical blade specially profiled, or several small dia. Tubes through which the melt passes for improving the heat dissipation and cooling.*

Manufacturers:

## **MALIK ENGINEERS**

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