

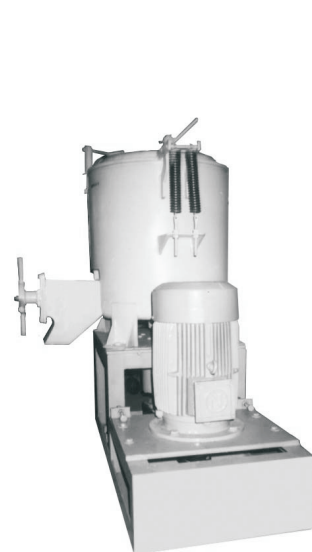
MALIK'S

ANCILLARIES & SPARES

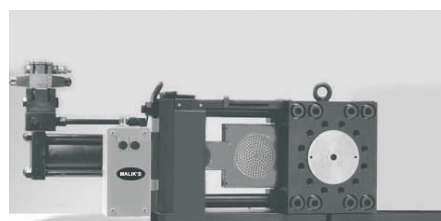
For Plastic Extruders

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.**
- **Manual & Hydraulic Screen Changer for quick screen changes on Extruder.**



High speed Mixer for PVC
Compounding 50 Kg batch cap.

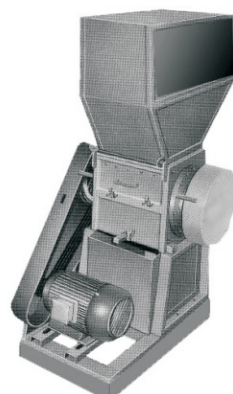


Crammer Feeder
for Extruder



Strand Pelletisers

Hydraulic Screen Changer
screen area 120 cm² for
120mm Extruder



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.

N.B: In view of our policy of constant improvement, illustrations, descriptions & specifications are subject to change without prior notice

Manufacturers:

MALIK ENGINEERS

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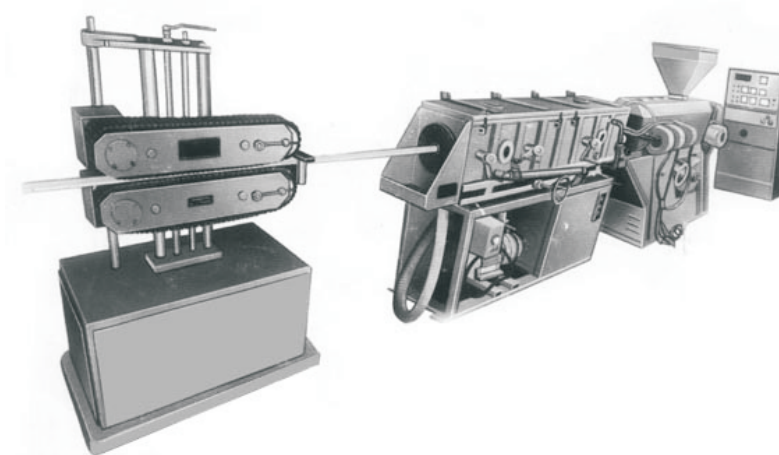
MALIK'S

Single Screw Extruders

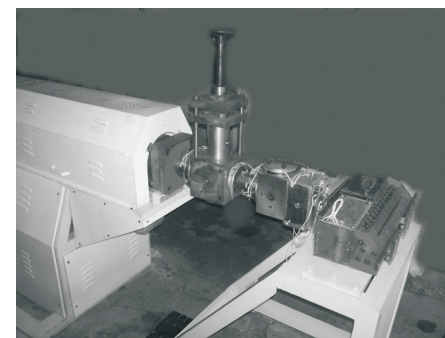
We offer highly efficient, high output Plastic Extrusion systems for variety of applications. Chief applications include: • **Layflat film/tubing** • **Rigid PVC pipe /profile** • **Flexile hose pipes from PE/PVC/Nylon** • **Reprocessing, Pelletizing, compounding** • **PVC wires & cables** • **Monofilament & Strapping** • **Thick sheet from ABS/PP/HDPE/PVC/HIPS** • **EPE Foam & liner sheet, Rod, pipe, netting** • **Food processing (for snack pellet & starch gelatinization, pasta, etc.** • Available screw diameter from 30mm to 100mm.



Layflat tubing units: MEL & MELHM series



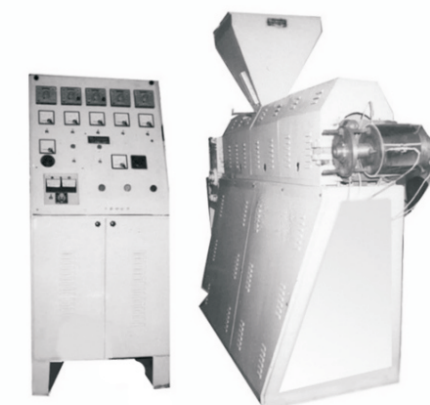
MERP series Rigid/hose pipe Extruders



Extruder with T-Die for thick sheet



Reprocessing/Colouring Extruders: MEWR & MEWRV series (Vented & Non-vented)



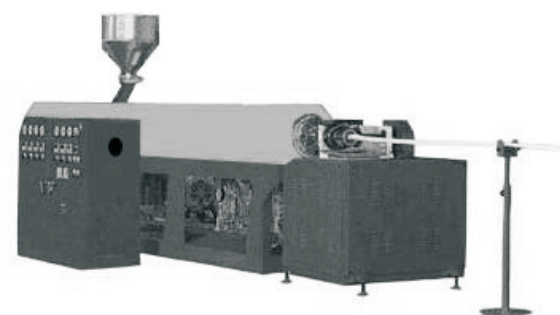
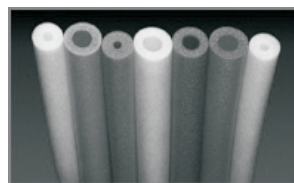
PVC Cable coating Extruders MERWC series

MALIK'S***Foaming Extruders for Polyethylene***

Expanded Polyethylene (EPE) sheet, pipe, rod, profile is widely used for producing protection sheet, insulation, expansion joints & for shock mitigation, etc. We have developed Extrusion system for producing such product using Butane gas as blowing agent. Typical product density varies from 0.02g/cc-0.05g/cc or 20 Kg-50 Kg/Cu.Metres.(low density foams):



Extrusion line for producing EPE foam sheet up to 1500mm wide



Extruder shown alongside is used for producing EPE liner foam sheet for bottle liners, sport gear, etc. The blowing agent used is Carbon Dioxide gas. Chemically expanded foams use certain chemicals pre-mixed with the resin to provide the gas for expansion of product. Typical product density varies between 0.25-0.5 g/cc. While physical blowing agent (Co₂) is directly injected into the Extruder for low product density.



We also manufacture Expanded Polystyrene (EPS) Foam Sheet Extrusion line for producing Expanded Polystyrene Sheet (EPS) which are used in producing disposable, weight containers, lunch boxes, cups, glasses, fruit & vegetable trays, etc. EPS sheet is also used in packaging to protect fragile items like glass wares, electronic products, insulation, shock mitigation, etc. (Density 40-60 Kg/Cu.Mtr.)

MALIK'S***MEGA Series Twin screw Extruders***

MALIK'S The trusted Indian manufacturer of Plastic extruders offer twin screw extruders for several processing tasks viz:

- ***Compounding of PVC and polymer alloys and blends.***
- ***PVC pipe, tubing, profile and critical shapes.***
- ***Flat sheeting from HIPS, ABS, HDPE, PP, etc.***
- ***Polyethylene foams.***
- ***Special model for Food processing available for manufacturing ready-to-eat snacks, mid-day meals, fish & poultry feed, for starch modification, etc.***
- ***Laboratory model available for Training institutions & Research Establishments..***



Corotating TSE for polymer Compounding

MEX-65 Counter-rotating Extruder for extrusion of UPVC pipe & section.

Lab model twin screw extruder for powder coatings

Fitted with co-rotating or counter-rotating twin screws which intermesh fully, precisely to guarantee demanding performance at high throughputs:

- ***Barrel & screws are nitride hardened for long life.***
- ***Ingeniously designed Helical gear box is equipped with hardened & ground gearing. It affords optimum spacing of screws for efficient performance and high bearing life with auto forced lubricating pump.***
- ***Barrel & screws made up as solid units or segments.***
- ***Melt pressure transducer with indicator for checking the extrusion pressure.***
- ***Stepless variation of motor speeds of extruder and auger feeder.***
- ***Temperature control panel fitted with most accurate digital controllers for accurate control of process temperature.***
- ***High productivity, low maintainence, less downtime are common features of our extruders.***

MALIK'S- leaders in Extrusion machinery....since decades....