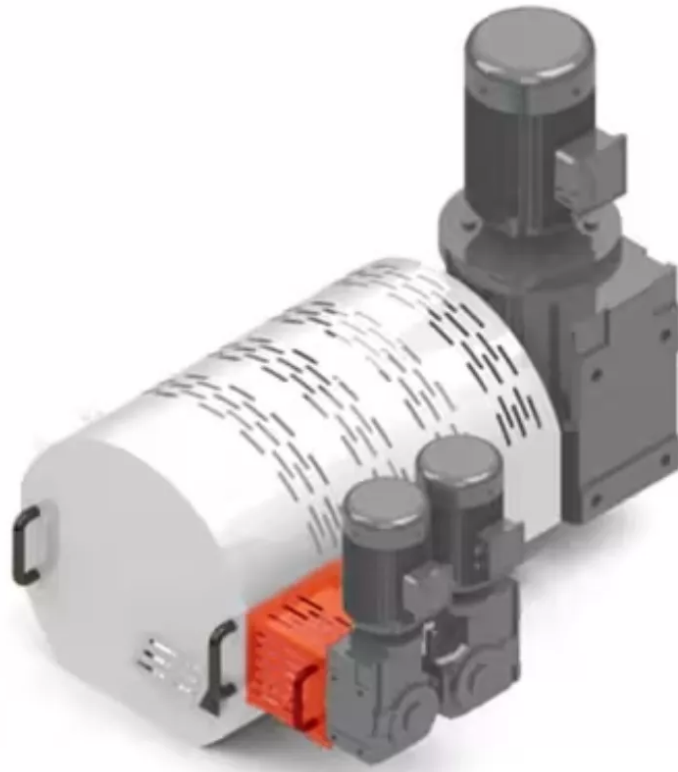




SELF CLEANING NO MESH MELT FILTER FOR PLASTIC RECYCLING PELLETIZING MACHINE TT-SCF

The Self Cleaning No Mesh Melt Filter For Plastic Recycling Pelletizing Machine TT-SCF enables continuous recycling extrusion, ideal for highly contaminated materials re-pelletizing.

Unlike traditional screen changers needing frequent mesh changes, the Self Cleaning No Mesh Melt Filter For Plastic Recycling Pelletizing Machine TT-SCF system offers continuous filtering, automatically removing contaminants from the steel screen plate. It features high automation and substantial production capacity, boosting recycled material rates and achieving a 1:1 slag discharge ratio (plastic content accompanying the discharge process).

APPLICATIONS

- **Plastic Recycling and Pelletizing** – Designed for continuous extrusion lines processing highly contaminated waste plastics such as PE, PP, ABS, PS, and PC.
- **High-Throughput Pelletizing Lines** – Suitable for production capacities exceeding 1 ton/hour, ensuring uninterrupted filtration and stable material flow.
- **Contaminated Waste Streams** – Capable of handling plastic melt containing up to 5% impurities, including paper, wood, aluminum, rubber, and unmelted plastic.
- **Film, Fiber, and Regrind Processing** – Commonly used for recycling post-consumer films, industrial scraps, woven bags, and fiber regrinds into high-quality pellets.
- **Masterbatch and Compounding** – Supports filtration in masterbatch and compounding applications where clean melt flow is critical for color and additive consistency.

FEATURES

SCREEN CHANGER

The screen changer, whether manual or automatic, comprises one or multiple filters to eliminate foreign particles and impurities during material flow plasticization. The cleanliness of recycled materials and the technical quality of regenerated particles define filtration system standards. To address various melt filtration loads, conventional non-stop single-plate double-station or two-piston double-station screen-changing filtration systems are utilized, ensuring superior melt filtration performance.

SELF-CLEANING FILTRATION SYSTEM TT-SCF

The Self Cleaning No Mesh Melt Filter For Plastic Recycling Pelletizing Machine TT-SCF self-cleaning filters features an effective accuracy of up to 120 meshes, enabling more efficient production of pelletizing lines exceeding one ton per hour output. This filtration system comprises a hardened steel screen plate, rotating unit, hydraulic section, contaminant-removing blades, and a discharging screw.

FILTRATION SYSTEM TT-SCF

The Self Cleaning No Mesh Melt Filter For Plastic Recycling Pelletizing Machine TT-SCF system efficiently manages and removes up to 5% of contaminants from the flowing melt, separating materials such as paper, wood, aluminum, unmelted plastic, rubbers, and more. Self Cleaning No Mesh Melt Filter For Plastic Recycling Pelletizing Machine TT-SCF features an effective accuracy of up to 120 meshes, enabling more efficient production of pelletizing lines exceeding one ton per hour output. This filtration system comprises a hardened steel screen plate, rotating unit, hydraulic section, contaminant-

removing blades, and a discharging screw. Self Cleaning No Mesh Melt Filter For Plastic Recycling Pelletizing Machine TT-SCF

TYPICAL FEATURES TT-SCF

The Self Cleaning No Mesh Melt Filter For Plastic Recycling Pelletizing Machine TT-SCF system efficiently manages and removes up to 5% of contaminants from the flowing melt, separating materials such as paper, wood, aluminum, unmelted plastic, rubbers, and more. SCF self-cleaning filters feature an effective accuracy of up to 120 meshes, enabling more efficient production of pelletizing lines exceeding one ton per hour output. This filtration system comprises a hardened steel

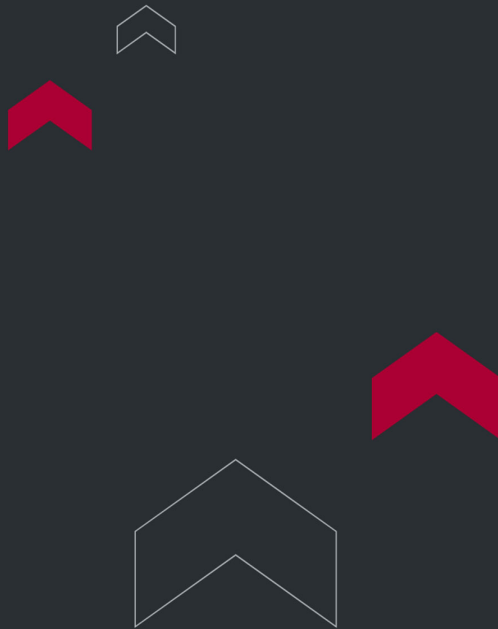
screen plate, rotating unit, hydraulic section, contaminant-removing blades, and a discharging screw.

Self Cleaning No Mesh Melt Filter For Plastic Recycling Pelletizing Machine TT-SCF

TECHNICAL SPECIFICATIONS

Type	SCF 350	SCF 350-D
Diameter	350mm*1	350mm*2
Filtration area	961cm²	1922cm²
Filtration fineness (mesh)	40-120	40-120
Filtration fineness (µm)	120-380	120-380
Hole shape	Cylinder/Cone	Cylinder/Cone
Processing technic	CNC/Laser	CNC/Laser
Max. melt pressure	200 bar	200 bar
Max. melt difference	150 bar	150 bar
Throughput capacity	200-500 kg/h	500-1000 kg/h
Rotation motor power	2.2 kW	2.2 kW
Discharge screw motor power	0.37 kW	0.37 kW × 2
Heating power	28 kW	33 kW
Dirt discharge	Screw	Screw
PLC	Siemens	Siemens

Type	SCF 350	SCF 350-D
Inverter	Schneider/ABB	Schneider/ABB



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