



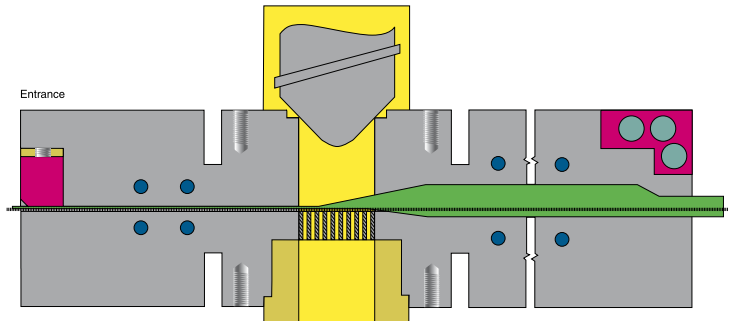
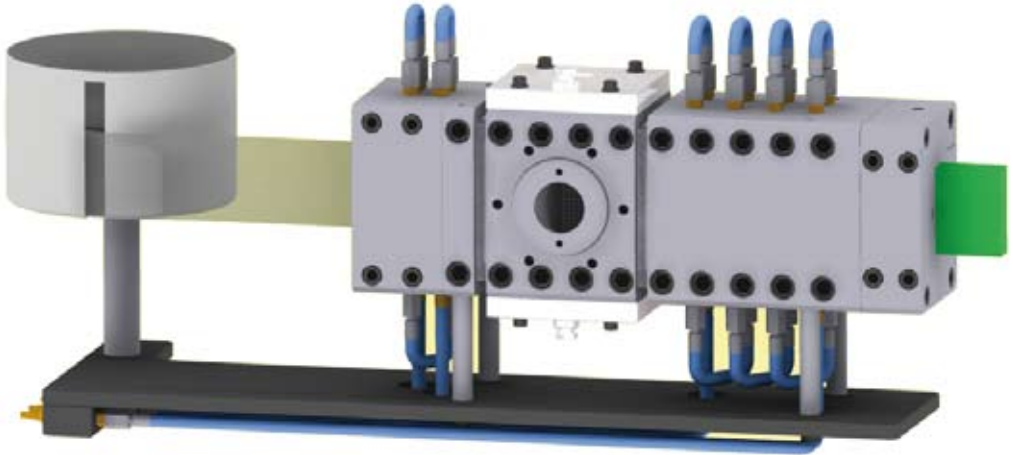
EXCELLENCE IN SCREENCHANGERS

**Solutions for the filtering and the
treatment of plastic materials**

www.cofit.com

POWERBELT

Automatic and Continuous screenchanger



CONTINUOUS AND AUTOMATIC

POWERBELT guarantees continuous production, and requires no operator assistance while running.

HIGHEST PRODUCTION QUALITY

POWERBELT provides perfect configuration for any different production requirement. At screen changing, pressure fade is irrelevant, with no air contact.

NO MAINTENANCE

POWERBELT has no motor or moving mechanical parts. It requires no maintenance interventions, except for screen roll replacement.

CONTROL SYSTEM

The standard control system is fully automatic and operates screen advance depending on the material contamination level. Time, pressure, dual or manual control modes are available.

All main operating parameters can be monitored from the control panel:

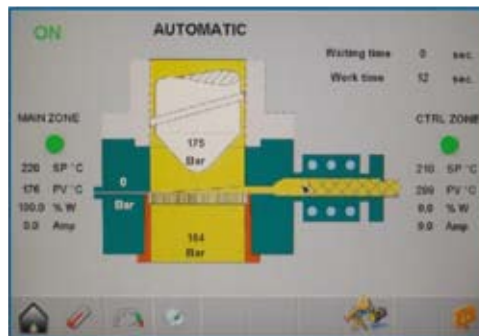
- POWERBELT upstream and downstream pressures
- Heating zone real-time temperatures and set point values
- Actual power consumption of the different heating zones
- Operating condition of the automatic screen advance process
- Timing

All system parameters are easily configurable via a touch screen type control panel.

System configuration pages are password protected.

The control system is multi-language; the required interface language is selected in the configuration page.

The control system can be integrated into the extruder one.



PowerBelt

Processing	Continuous flow, automatic
Type of material	Steel
Nominal diameter breaker	From 35 to 200 mm (1-1/4" to 8")
Heaters	Armored
Material contamination	High, post industrial consumption too
Operating temperature	Up to 350° C (662° F)
Pressure	Up to 700 bar (10.000 psi)
Hourly capacity	Up to 2500 Kg/h (5500 pounds)
Polymer	HDPE, LDPE, LLDPE, PP, ABS, PET, PS, Nylon, etc.
Products and Applications	Suitable to any kind of product and application

AP Series®

Self-cleaning Continuous flow screenchanger

AP is SELF-CLEANING

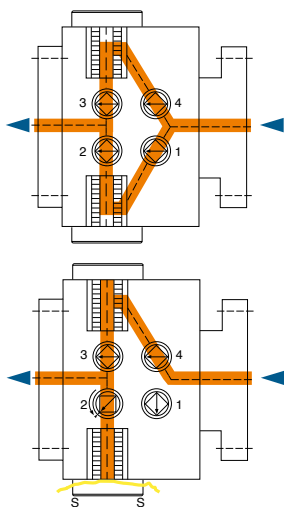
Thanks to an exclusive Cofit patent the filter cartridges get cleaned without being taken out of the block.

AP is CONTINUOUS

The filtering cartridges can be cleaned and replaced without having to interrupt production.

AP is ECONOMICAL

It doesn't need an expensive control panel or an hydraulic unit. Its maintenance and spare parts are reduced to the minimum.



AP®Series

Processing	Continuous flow - SELF-CLEANING
Type of material	Steel
Filtering unit area	Up to 600 cm ²
Heaters	Hardened
Material status	Medium pollution
Operating temperature	Up to 300°C (572° F)
Pressure	Up to 800 bar (11.600 psi)
Hourly capacity	Up to 2000 kg/h (6135 libras)
Machined product	PE, PP, ABS, PET, PS, etc.
Resulting product	Film, raffia, monofilaments, bioriented, plate, etc.

F No-Stop Series®

Uninterrupted flow Manual screenchanger

F is CONTINUOUS

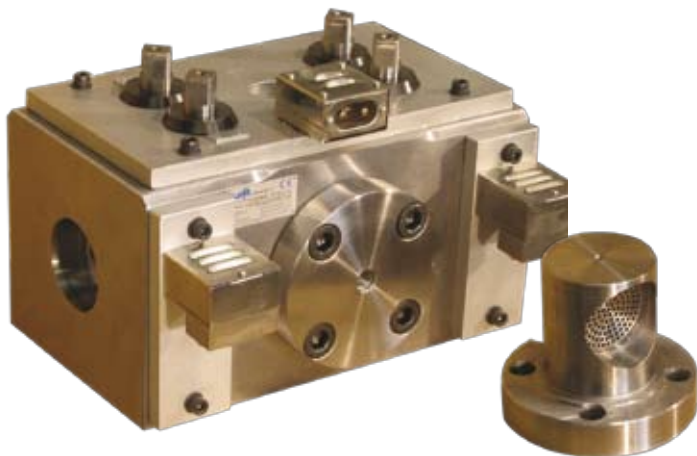
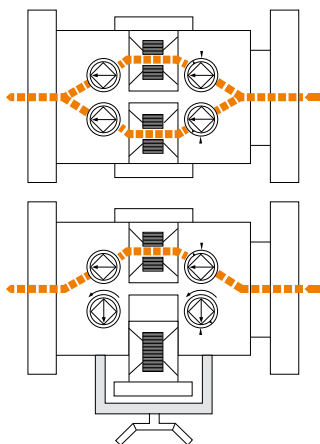
Gracias a una patente exclusiva de Cofit las unidades del filtro se limpian y reemplazan sin interrumpir el proceso de producción.

F is SIMPLE

Its operation is simple, the structure has no moving parts and filters can be easily replaced.

F is PRACTICAL

Thanks to its single block structure, the F screenchanger is indestructible. Furthermore it does not require any special maintenance.



F Series

Processing	Continuous flow
Type of material	Steel
Diameter of filtering unit	From 15 to 130 mm (from 0,6" to 5")
Heaters	Hardened
Material status	Low pollution
Operating temperature	Up to 300°C (572° F)
Pressure	Up to 700 bar (10.000 psi)
Hourly capacity	Up to 2000 kg/h (6135 libras)
Machined product	ABS, PE, PP, PET, PS, etc.
Resulting product	Film, raffia, single thread, bioriented film, sheet, flat head plate, fibers and filaments

CL Series

Manual control and Intermittent flow

CL is SIMPLE

CL is a screenchanger which is easily operated by a manual lever. A simple movement is all that is required in order to replace the filtering screen in use and insert the clean screen.

CL is COMPACT AND EFFICIENT

Special care has been given to reducing its overall dimensions. Thanks to these small dimensions, the CL screenchanger is easy to install. Besides it can reach high temperatures using low power.

CL is SAFE

The screenchanger is endowed with several devices in order to guarantee a safe usage.

Bronze and Teflon rings or special materials, chosen on the basis of individual plant requirements, guarantee a perfect seal during the sliding of the plates.



Diameter of filtering unit: from 25 to 130 mm

The CL series screenchangers are manually operated by a control lever and require a short interruption of the working cycle, in order to replace the screens.

CO Series

Discontinuous flow of the filtered melt

CO is QUICK

To move from the filtering screen in use to the clean screen takes only a fraction of second.

The speed of the change from one screen to the other means that the action of the extruder is not interrupted.

CO is FLEXIBLE

It can be mounted both horizontally and vertically without affecting performance; in addition CO can be controlled by just one hydraulic unit.

CO is SAFE

The screenchanger is provided with several devices which guarantee its safe use.



Diameters of filtering unit: from 50 to 350 mm

The great advantage of this type of screenchanger is the possibility of replacing the filtering screens very easily and rapidly, thanks to the screens installed on a sliding plate which is automatically controlled.

CO model is in three different versions:

- **MANUAL:** movement controlled by a hydraulic ratchet
- **AUTOMATIC:** with a PLC driven hydraulic unit control
- **AUTOMATIC “NO LOSS”:** with a Gear Pump installed on the CO exit



For almost forty years Cofit International has specialized in the production of screenchangers and systems for the filtering and treatment of plastic materials, sold throughout the world.

The Italian company with production sites in Cerro Maggiore (Milan) was the first one to obtain an international patent for continuous flow screenchanger.

For this reason the name of Cofit has, over the years, become synonymous with screenchanger in the international market.

The investment in research is targeted at simplicity of use, maximum control and safety of operation, with particular attention given to energy savings and the choice of long resistant materials. Cofit today provides solutions offering a wide range of extremely high quality and high technology products.

To see more details about our product range, to watch [videos](#), to download [technical sheets](#), to get a [quote](#) or ask for a [trial](#) at our laboratory please visit www.cofit.com

20023 Cerro Maggiore (MI) - Italy

Via J. F. Kennedy 9

Tel. +39 0331 1774900 - Fax +39 0331 1774919 - info@cofit.com