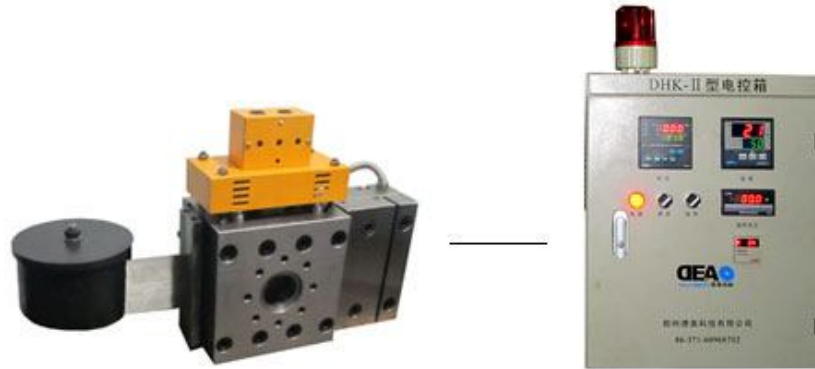


Automatic belt screen changer



Automatic uninterrupted continuous polymer filtration

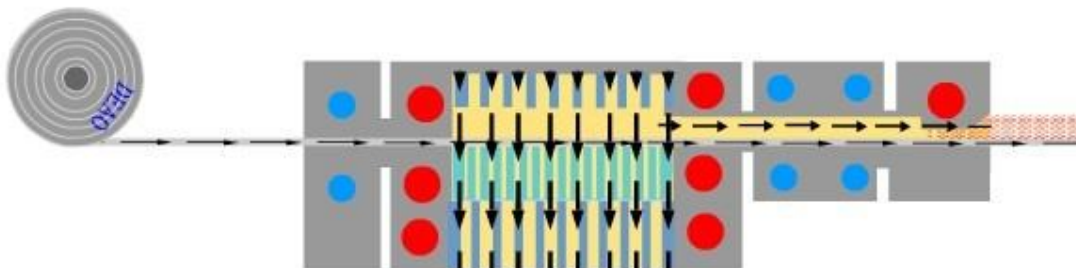
The automatic belt screen changer is a compact, self-contained screen changer that eliminates the need for hydraulics, screen packs, breaker plate cleaning or replacement, with no electric motors or hydraulics.

Features include

- ❖ Automatically and continuous screen replacement without manual operation.
- ❖ No fluctuation of material flow, no product deformation, excellent quality stability
- ❖ No waste product or waste material, and little material consumption occur when the screen changer works.

How to work

The screen moves across the flow of plastic melt and a fresh screen enters as the spent filter screen exits; removing the impurities from the raw material. The belt screen changer is fitted between the end flange of the extruder and the die. A cassette holding a roll of screen filter is attached to the side of the belt screen changer block. The controlling box of belt screen changer is equipped with a pressure sensor, and a pressure warning device, when the pressure is raise to the preset , it will automatically alarm, at the same time, the screen is replaced automatically. And the cooling system begin to work , the impurity is cooled and moved out with the filter screen.



Red color: heater

Blue color: cooling pipe

Basic Operation

1), Once the automatic belt screen changer has been physically installed. the water lines connected, heaters connected to the controller, and when required the pressure sensor is fitted and connected to the controller, you are ready to follow the simple Start Up.

2), The filter mesh belt enters the main body of the Screen Changer from the mesh belt box, It passes across the flow channel and then exits the Screen Changer body carrying with it any contaminates.

3), When the extruder is running, the auto continuous screen changer unique design uses an integrated process relying on cooling and heating of the melt and pressure to control the change of the screen.

Application fields:

Mainly used for the production of PP, PE, ABS, PS, PMMA and other materials, and widely used for the cast film, sheet, plate, optical fiber, various drawings, granulators and other products of high quality and long production process .

Technical Data:

Type	Screen Belt W(mm)×L(m)	Heating power(kw)	Pressure (Mpa)	Output (kg/h)
DHW--70	76×10	2.5	≤40	≤200
DHW--100	107×10	3.5	≤40	≤500
DHW--120	130×10	5	≤35	≤800
DHW--150	160×10	7.5	≤35	≤1500
DHW--170	180×10	12.5	≤35	≤2000
DHW--200	210×10	14	≤35	≤3500



