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### Single plate screen changer



This DHB series of screen changer consists of main body, slide plate, heater and hydraulic unit with accumulator. It is driven by hydraulic power, and the slide plate carries 2 pieces breaker plates can move linearly in both directions to achieve screen changing in a short time.

### How to work

The plate has two screen cavities ,one of them work with the plastic machine at the same time, when a screen change is required, the cavity with dirty screen will be moved out by hydraulic in a minimum time, and at the same time, the other cavity with new screen will be moved into the working position . the screen replacement is very short and no need shut down the working machine

### Features include

Deao patented technology on the sealing system design. Automatic compensation on sealing gap can be realized during screen changing process. Compatible with extruders for various polymers processing at high output.

Filtration screen diameter ranges from 70-360mm.

With highly precise design, the screen has good abrasive resistant, high pressure performance, ensuring large effective filtration area and improving filtration effect. It works well even under high temperature up to 300 °C and high pressure up to 50 MPa.

Screen changing time  $\leq$  2 seconds with pressure accumulator.



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#### **Benefits of DHB series of screen changer**

Single plate screen changer can be mounted both horizontally and vertically without affecting performance; in addition the single plate screen changer can be controlled by just one hydraulic unit.

- Mounted both horizontally and vertically, the single plate screen changer can be introduced very successfully onto pre-existing installations or where the space available is restricted, but without compromising high quality processing
- Several single plate screen changers can be controlled by the same hydraulic unit, resulting in large savings and maximum use of space

#### **Applications**

Blown film and cast film (Bubble pack/ Medical/Food Wrap)

Sheet (Foam/Strapping/Plastic cardboard)

Coating (Hot melt adhesive)

Pipe ( Corrugated/Gas Pipe) and profile

Compounding (Master batch/filler)

Wire and cable extrusion

Tubing (Medical/Industrial/Irrigation)

Fibers ( Monofilament)

Blow molding

Pelletizing (strands and underwater)

Recycling of most polymers

#### **Technical Data**

Type	Screen Diameter(mm)	Heating power(Kw)	Suitable Materials (Mpa)	Output(Kg/h)
DHB-70	Φ70	4.4	≤50	60-250
DHB-100	Φ100	6.8	≤50	110-400
DHB-120	Φ120	8.6	≤50	140-550
DHB-150	Φ150	9.8	≤50	200-800
DHB-170	Φ170	9.8	≤50	300-1000
DHB-200	Φ200	11.6	≤50	400-1200
DHB-250	Φ250	16.4	≤50	600-1800
DHB-300	Φ300	16.4	≤50	800-2500



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