

Strand Die TK-D

for an optimal melt distribution



TK-D Strand Die optional with integrated Screen Support Plate

The strand dies of the TK-D series are downstream equipment from screen changers and extruders.

Trendelkamp strand dies are always specially designed and manufactured for requested/processed products, throughputs and connections. Our strand dies are primarily used in masterbatch, compounding and recycling applications.

- Customized connection flanges
- Rheological designed flow channels
- Exchangeable strand die plates

Benefits:

- Reliable operation
- Customized connection flanges
- Rheological designed flow channels
- Homogeneous melt distribution
- Short flow channel geometry
- Reduced shear stress and pressure loss
- Integrated bores for melt sensors
- Exchangeable strand die plates



Functional Principle:

A rheologically optimized flow channel leads the incoming and homogeneous polymer into the strand die. Precision die bores divide the melt flow into melt strands. Cooling the strands takes place in a strand cooling trough.

Options:

- Oil, steam or electrical heating
- Special coating for abrasive/corrosive applications
- Stainless steel design
- Hazardous area design
- Insulated design
- Swivel device for die
- Quick connections with C-Clamp

Design Features:

- One- or two-part die body
- Single or double row die plate
- Operating pressure up to 150 bar
- Operating temperature up to 300 °C
- Bore perforation diameter user selectable

Strand Die TK-D		
Model	Die width	Number of strands Ø 4,5 mm
TK-D 100	100 mm	10
TK-D 150	150 mm	15
TK-D 200	200 mm	20
TK-D 330	330 mm	33
TK-D 500	500 mm	50

Further models upon request.