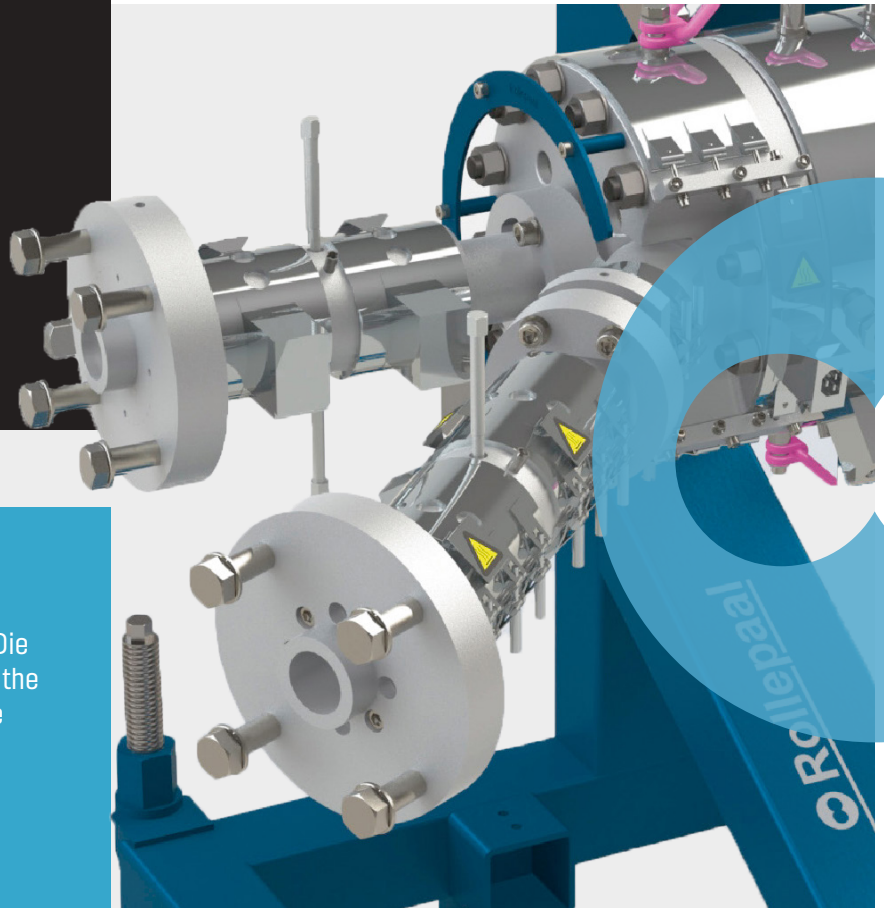


Multilayer Die Heads

A revolutionary idea started the development of the Rollepaal Multilayer Die heads (RMD). The technology is based on the principle of symmetrical branching of the melt to feed the layers. Symmetry in melt feed guarantees the best layer distribution, because all flow lines have equal length.

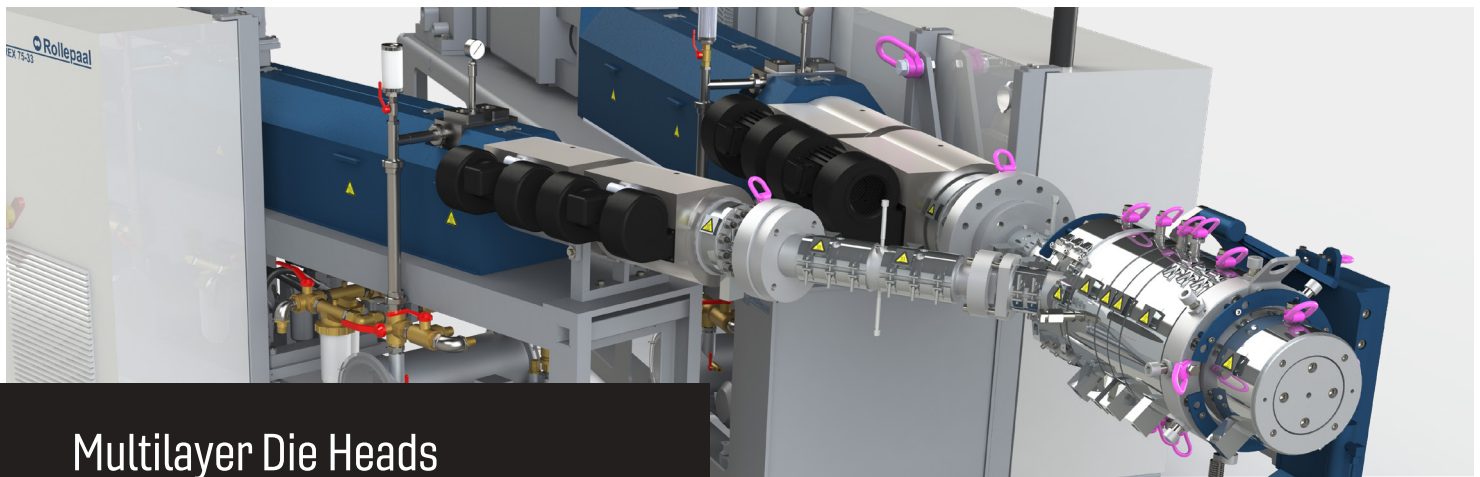


The layer distribution is independent of melt viscosity, as there is no need for a restrictor gap with different length in circumferential direction for correction. The design features a symmetrical split of short round channels per disc, which prevents the melt from clogging the die head.

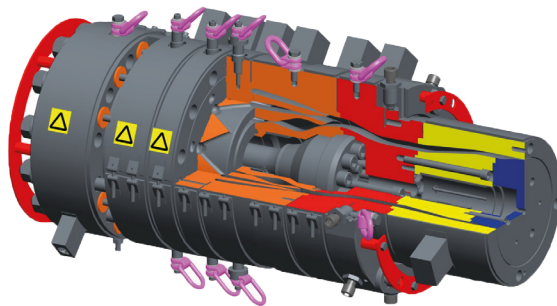
Depending on the application and formulation, the RMD die head is provided with either single or double compression tooling. The die head, with modular design, also has Smart Tool Change and Smart Centering. Cleaning, if required, is easy as the distribution channels have a round shape and short length and are perfectly accessible.

Features of our RMD series:

- ▷ The die support with hydraulic leveling system and the special designed cleaning tools facilitate a quick cleaning of the die, therefore down time can be limited
- ▷ Excellent skin distribution to maximize material savings
- ▷ Skin - core ratio: best performance in the market
- ▷ Outer- and inner skin ratio adjustable even with two extruder set-up
- ▷ Suitable for foam core and solid wall
- ▷ Foaming K57 + K67 pipe grade virgin and 100% recycled material
- ▷ Foaming at minimal processing aid
- ▷ 2 and 3 layer version
- ▷ Thin coating application PVC and PO
- ▷ Round branched holes, easy to take apart, for quick cleaning
- ▷ Special tooling design for optimal foaming quality



Multilayer Die Heads



Wall thickness - 3-6 minutes*

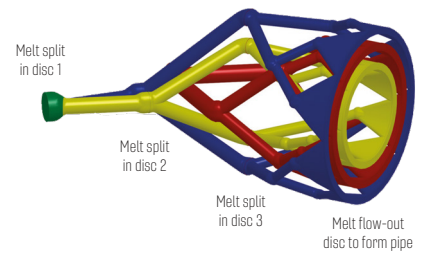
Diameter change - 6-12 minutes*

Range change - 12-20 minutes*

*Changeover times depend on diameter range

Smart Tool Change is available for all RMD dies

Symmetrical branching



Product range

	Ø = inch				2		4	6	8	10	12	16	20	24	32
	Ø = mm	10	20	32	60	85	110	160	200	250	315	400	500	630	800
RMD 4															
RMD 6/7															
RMD 8															
RMD 12															
RMD 16															
RMD 20															
RMD 20/630															
RMD 32															

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 PIPE EXTRUSION