

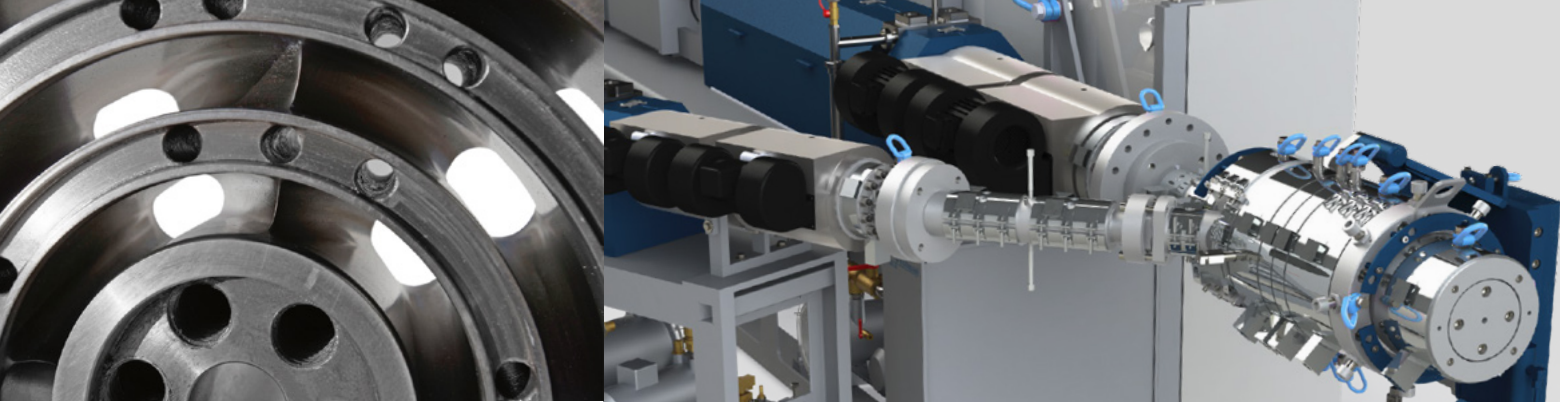
Multilayer Die Heads

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 the same length.



Rollepaal

Pipe Extrusion Technology



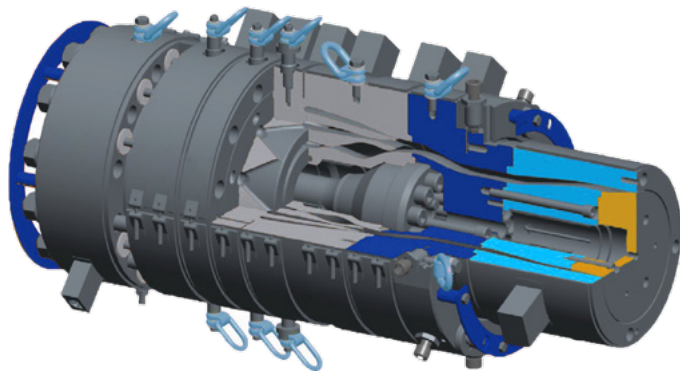
Multilayer Die Heads

The layer distribution is independent of melt viscosity, as there is no need for a melt flow restrictor gap with different lengths around the die circumference for correction. The design features a symmetrical split of short round channels in each disc, preventing 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, includes Smart Tool Change and Smart Centring. The easily accessible short, round distribution channels make cleaning, when necessary, an easy task.

Features and benefits

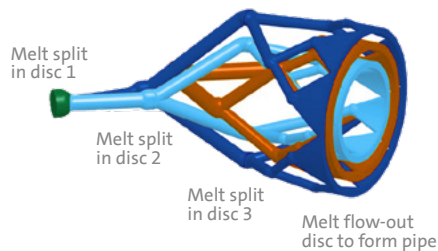
- ▶ The die support with hydraulic levelling system and the specially designed cleaning tools make cleaning the die a quick process, keeping down time to a minimum
- ▶ Excellent skin distribution to maximise material savings
- ▶ Skin-core ratio: best performance in the market
- ▶ Outer and inner skin ratio adjustable even with double extruder set-up
- ▶ Suitable for foam core and solid wall Foaming K57 + K67 pipe grade virgin and 100% recycled material
- ▶ Foaming with addition of minimal processing aid
- ▶ 2 and 3 layer version
- ▶ Thin coating application of PVC and PO
- ▶ Round branched holes, easy to disassemble for quick cleaning
- ▶ Special tooling design for optimal foam layer quality



Wall thickness	3-6 minutes*	■	■	■
Diameter change	6-12 minutes*	■	■	■
Range change	12-20 minutes*	■	■	■

* Changeover times depend on diameter range

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 24																
RMD 32																



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