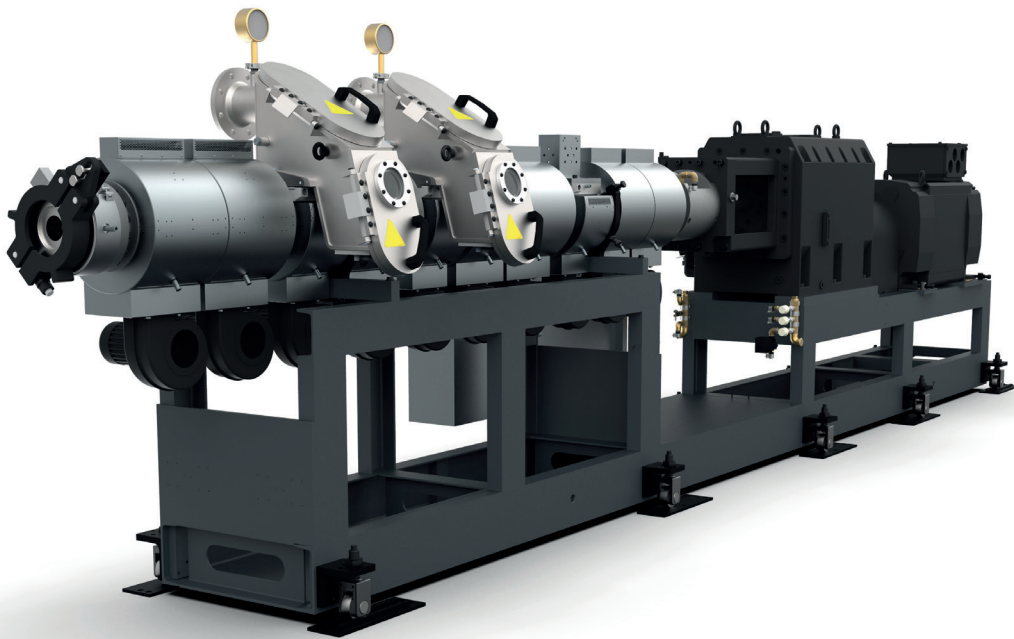




**Reifenhäuser**

EXTRUSION SYSTEMS

The Extrusioners

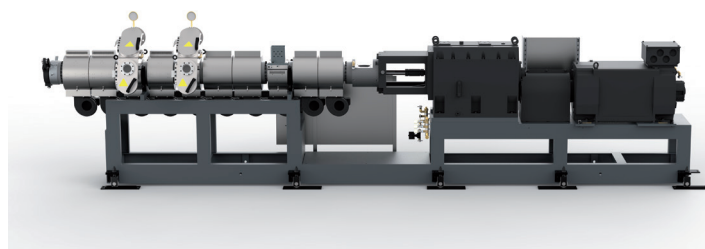


## Co-rotating twin screw extruder

The main applications of our co-rotating twin-screw extruders in our Reitruder series are the highly energy-efficient and productive direct extrusion of PET ground stock or the inline compounding of polyolefines with mineral fillers. The modular design allows the flexibility to meet a variety of production requirements.

# Reitruder Portfolio

Screw diameter ratio ( $D_a/D_i$ )	[-]	1.33 or 1.55
L/D-ratio	[-]	33 or 41
Extruder ( $\emptyset$ )	[mm]	43 – 120
Drive power	[kW]	40 – 720
Plasticizing capacity	[kg/h]	160 – 2200



The extruder can be configured to your requirements using Reitruder's three equipment variants.

## Reitruder setup

Assembly Group	Subassembly	Smart	Advanced	Premium
Barrel	Partition	Segmented	Segmented	4D segments
	Wear Protection	Nitrided	Combination of nitrided and powder-metallurgical composite or armored elements	Armored or powder-metallurgical composite elements
	Opening	Closed design	With degassing and/or side feeder opening	With degassing and/or side feeder opening
Pair of Screws	Wear Protection	Nitrided	Combination of nitrided and powder-metallurgical composite	Powder-metallurgical composite
Drive	Motor	IEC norm drive	Asynchronous drive with air-cooling	Asynchronous drive with water-cooling
	Clutch	Jaw clutch coupling	Mechanical safety clutch	Pneumatic safety clutch
Gear Box		Basic version according to catalog	Reifenhäuser design for longer life-time	Reifenhäuser design for longer life-time with back end screw removal
Tempering	Heating	Standard ceramic without convection flaps	Combination of standard and aluminum-oxide ceramic without convection flaps	Aluminum oxide ceramic with convection flaps
	Cooling	Air Cooling	Air cooling	Water cooling
Cover Hood		-	Segmented and isolated cover hood made of stainless steel	Segmented and isolated suction hood made of stainless steel
Electrification		Direct connection	Terminal box	Electrical cabinet with control unit
Vacuum Venting		Vacuum dome with one opening	Vacuum dome with enlarged volume	Vacuum dome with melt trap and two cleaning openings