



Reifenhäuser

EXTRUSION SYSTEMS

The Extrusioners



High-speed extruder

Our high-speed extruders for processing PS, PP, and LD-PE are extremely compact. The high screw speeds achieve much higher plasticizing capacity compared to conventional extruders. At the same time, they have a significantly reduced footprint.

High-speed extruders Portfolio

Extruder RH034-1-70-36D	Drive	Srew speed	Plasticizing capacity PP	Plasticizing capacity PS	Plasticizing capacity LDPE
[Type]	[kW]	[rpm]	[kg/h]	[kg/h]	[kg/h]
HS 1	114	350	100 – 400	100 – 450	100 – 350
HS 2	184	525	100 – 600	100 – 700	100 – 530
HS 3	264	700	100 – 800	100 – 950	100 – 700
HS 4	338	850	100 – 1000	100 – 1100	100 – 900
HS 5	378	950	100 – 1100	100 – 1250	100 – 1000



You can configure your high-speed extruder to your requirements using our three equipment variants.

High-speed extruder setup

Assembly Group	Smart	Advanced	Premium
Barrel [Wear Protection]	High-alloyed hard phasing alloy on iron base	High-alloyed hard phasing alloy on iron base with vanadium carbides	Two-phase hard alloy on nickel base with tungsten carbides
Screw [Wear Protection]	Screw with high surface hardness	Armored screw flight with high wear protection against abrasion	Maximum wear protection against abrasion, corrosion and adhesion by full-flight armoring
Base Frame	Stationary design	Movable design	Customized design
Drive	–	Asynchronous drive with	Asynchronomotor wassergekühlt
Gear Box	Reifenhäuser design for longer life-time and with screw removal backwards		
Barrel Design	Closed	With vacuum venting opening and closure plug	With vacuum venting opening and vacuum dome
Connection Flange	Standard hole pattern	Customized hole pattern	Wedge closing device
Feed Opening	With cooling and material outlet	With cooling and material outlet	With cooling and material outlet
Water Installation	Direct connection	With centralized water distribution	With centralized water distribution and chiller
Heating Units	With convection flaps	With convection flaps and heat isolation	With convection flaps, heat isolation and protection against contact
Cover Hood	–	Barrel hood	Full cover
Suction Hood	–	Standard	Integrated in full cover hood
Electrification	Direct connection	Terminal box	Electrical cabinet with control unit