

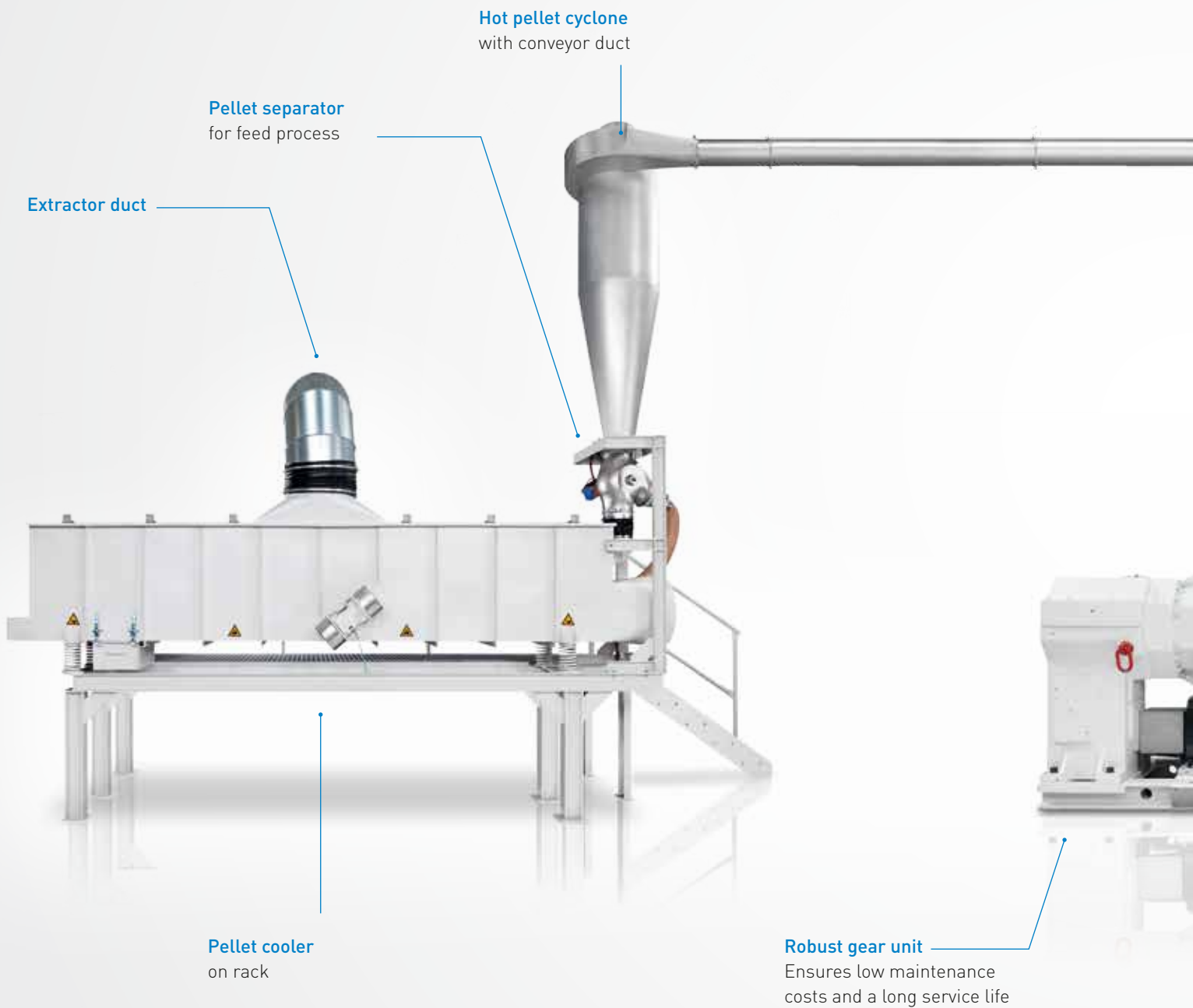
**Cost-effective and powerful
Pelletizing systems for
rigid and soft PVC**

Engineering Value

Krauss Maffei
Berstorff

Impressive encounter

Take a tour of a pelletizing system

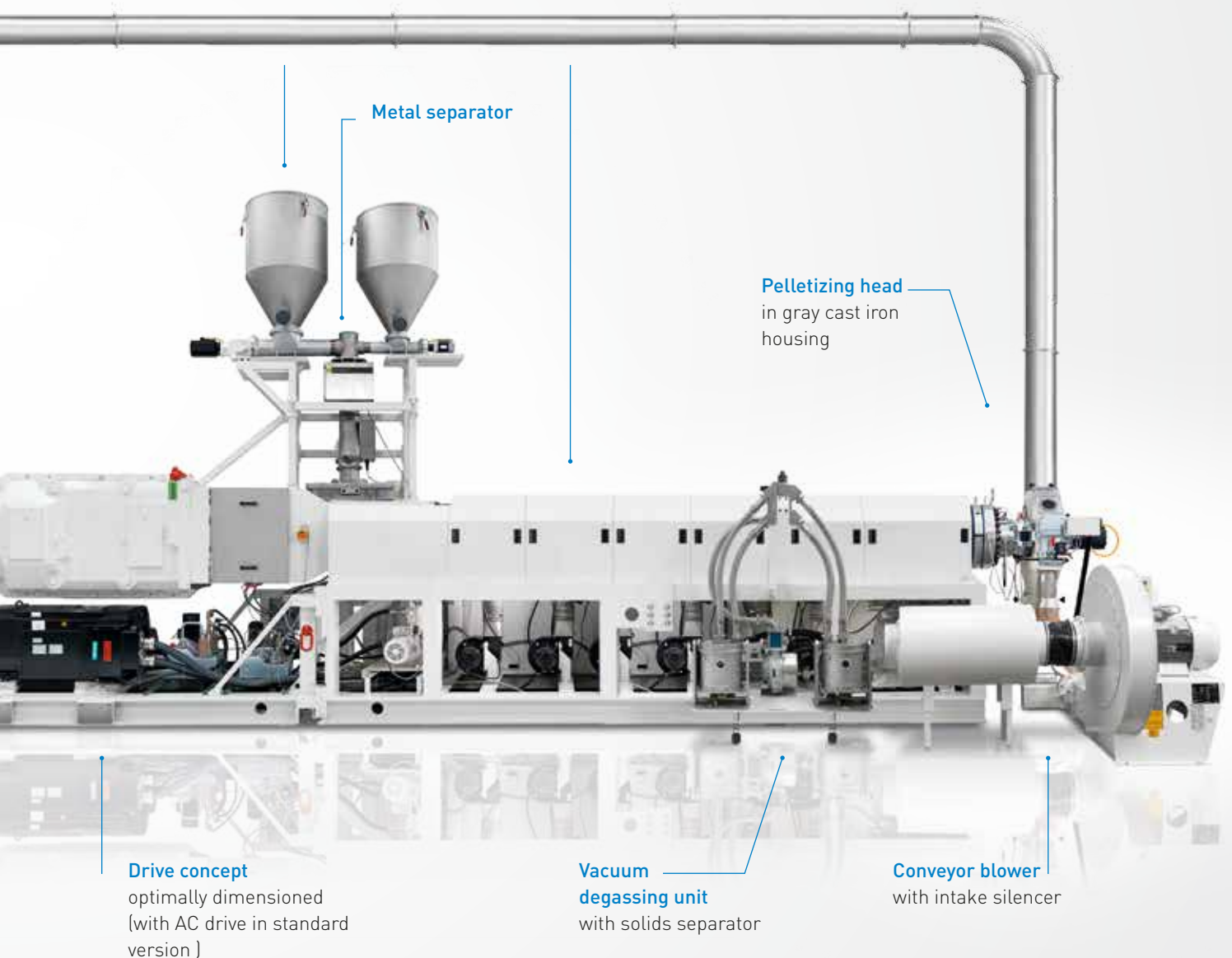


Metering unit

for processing different materials (for soft PVC version with stock feeder)

Processing unit

with molybdenum-welded screws and deep-nitrided, air-cooled barrel





Pellet cooling system on platform



Pellet cooling system – interior view

Top results in pelletizing

Parallel KraussMaffei Berstorff twin-screw extruder for pelletizing in the 32D series.

The screw concept

The screw concept of the 32D twin-screw extruder series is characterized, in particular, by three advantages. It optimizes material processing, improves melt homogeneity and permits a very wide processing window when processing many different materials.

Focus on pre-heating zone

As the screw's L/D ratio increases, so does the preheating zone. Longer preheating makes it possible to influence the plasticizing process more exactly by controlling the barrel temperature.

Higher productivity

Thanks to the optimized concept of the screw and the entire drive unit, the 32D twin-screw extruder series sets new standards in terms of cost-efficiency: The L/D ratio means the output rate can be increased with machines having the same screw diameter by up to 20%.

Advantages of the cost-effective cooling-air pelletizers:

- Optimized air supply in the pelletizer
- No sticking together of pellets
- Closed cooling-air system with dust removal
- Simple operation
- Control from the central extruder control panel
- Quick and easy cleaning



Pelletizing head – mounted on a KMD 184-32/G-H twin-screw extruder

High-performance PVC pelletizing The perfect solution for every task

KraussMaffei Berstorff has the right machines and complete solutions for your project. You benefit from engineering excellence and features to boost your competitive advantage.

The quality of the pellets is decisive

A broad spectrum of materials can be processed with KraussMaffei Berstorff systems, for example hard PVC, soft PVC or C-PVC, highly filled materials and/or recycled materials. Our systems give the customer reliable reproducibility in his production with the highest standards of quality of the pellets.

Optimum system concept

For KraussMaffei Berstorff, a complete pelletizing system starts with the preparation of the raw materials and extends through the feed into the pelletizing extruder, through the pelletizing head

and the cooling to the discharge, for example via rotary feeder into silos, big bags or other conveyor systems.

Flexible system for controlling, regulating and monitoring

KraussMaffei Berstorff's C6 control system makes fast and direct access to the individual units of an extrusion system possible at any time. With its numerous monitoring and control functions, the C6 control system ensures optimal production preparation and transparency throughout the production process, thereby satisfying the most stringent requirements for excellent product quality and a high level of process reliability.

Facts and figures

Pelletizing systems for rigid and soft PVC

Technical data

Facts	KMD 90-32/G		KMD 114-32/G		KMD 133-32/G		KMD 164-32/G	KMD 184-32/G
	KMD 90-32/G-W	KMD 90-32/G-H	KMD 114-32/G-W	KMD 114-32/G-H	KMD 133-32/G-W	KMD 133-32/G-H	KMD 164-32/G-H	KMD 184-32/G-H
Output range [kg/h] Cable/shoe compound	540 – 1200	-	810 – 1800	-	1200 – 2300	-	-	-
Output range [kg/h] Hose	600 – 850	-	900 – 1300	-	1200 – 1700	-	-	-
Output range [kg/h] Fitting	-	460 – 1000	-	700 – 1500	-	900 – 2100	1100 – 2400	1700 – 3200
Output range [kg/h] Profile	-	350 – 750	-	550 – 1200	-	700 – 1550	900 – 2000	1300 – 2800
C-PVC output range [kg/h]	-	350 – 600	-	500 – 850	-	650 – 1100	800 – 1550	1200 – 2100
Driving power [kW]	143	111	223	171	306	219	261	348
Gearbox torque, max. [Nm]	18 000	18 000	35 700	35 700	56 000	56 000	90 000	140 000
Screw rpm, max.	71	55	56	43	49	35	26	22,3
Screw length [L/D]	32	32	32	32	32	32	32	32
Screw diameter [mm]	90	90	114	114	133	133	164	184
Screw tempering system	External	Internal	External	Internal	External	Internal	Internal/external	Internal/external
Extrusion height [mm]	1150	1150	1150	1150	1150	1150	1150	1400
Dimensions								
Length including intake, without pelletizing head	4650	4650	6240	6240	7330	7330	9280	10 340
Width incl. control panel	1260	1260	1290	1290	1570	1570	1520	2200
Height incl. hopper	2520	2520	2580	2580	2665	2665	2750	3105

Pelletizing head dimensions, depending on PVC compound



Cutting knives with holders



Pelletizing head



Cost-effective and powerful Pelletizing systems for PVC and C-PVC

Economic production of PVC pellets calls for a high degree of know-how. Perfect control of the pelletizing process is just as important here as competence in handling raw materials and formulations. Thanks to their processing units matched to specific products, our twin-screw extruders feature high throughput rates and excellent product quality.

The C6 microprocessor control handles process control, a clear operator interface and extensive data logging, as it synchronizes the operation of the metering unit, extruder and pelletizer. As a system partner we offer the optimum system concept from metering to the finished product.



OEE Plus
Boosting cost-efficiency for you

For more information
about OEE Plus, visit:
www.kraussmaffeiberstorff.com/oeplus