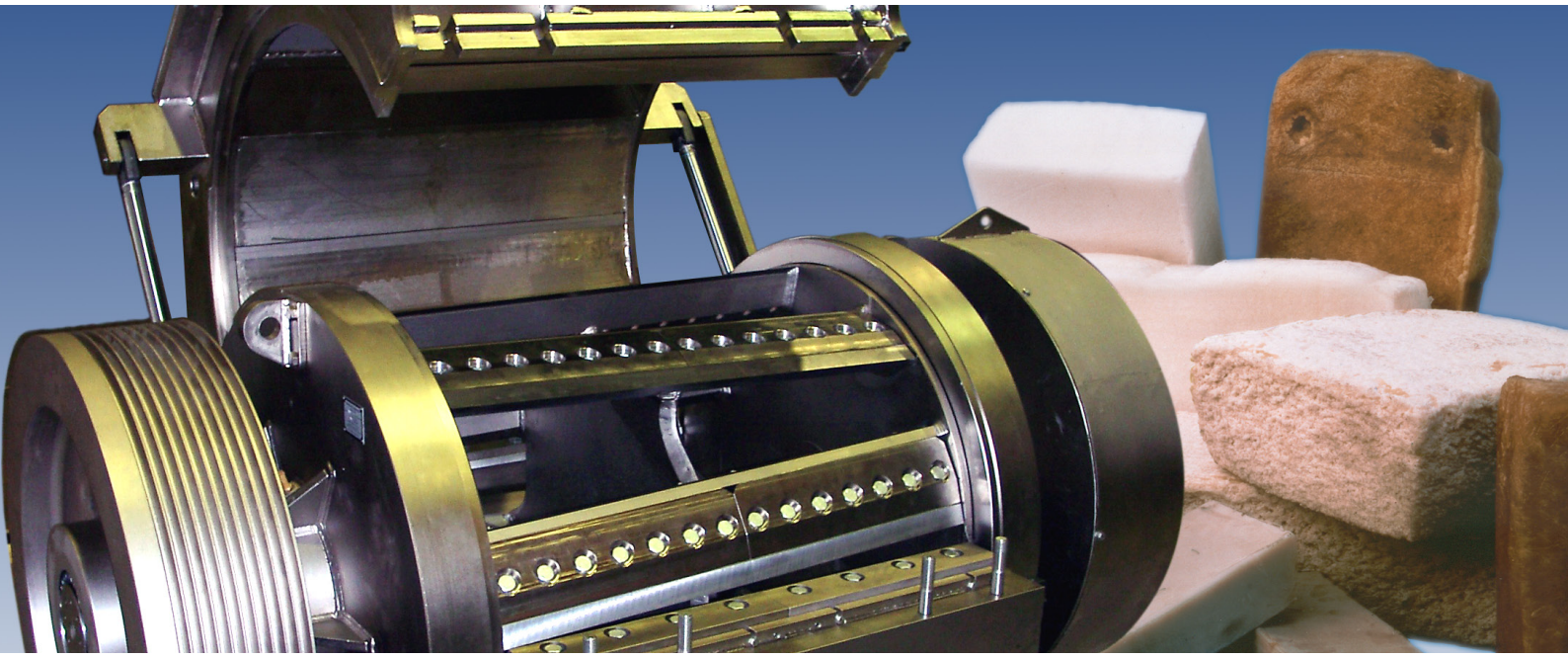
PALLMANN

TOP PERFORMANCE IN SIZE REDUCTION



Preparation of Rubber

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From bales

to granules

to powder

Rubber is used in various industries for the production of many products.

For almost any type of production process it is necessary , that the bales are size reduced into granules or powder.

The result is a shorter disolving and mixing time as well as energy-saving kneading time.

For the size reduction of rubber, PALLMANN has designed the Ultra-Granulator with the special unique guillotine rotor.

This design allows for low friction and therewith temperature-gentle size reduction.

For best results in rubber granulation turn to PALLMANN

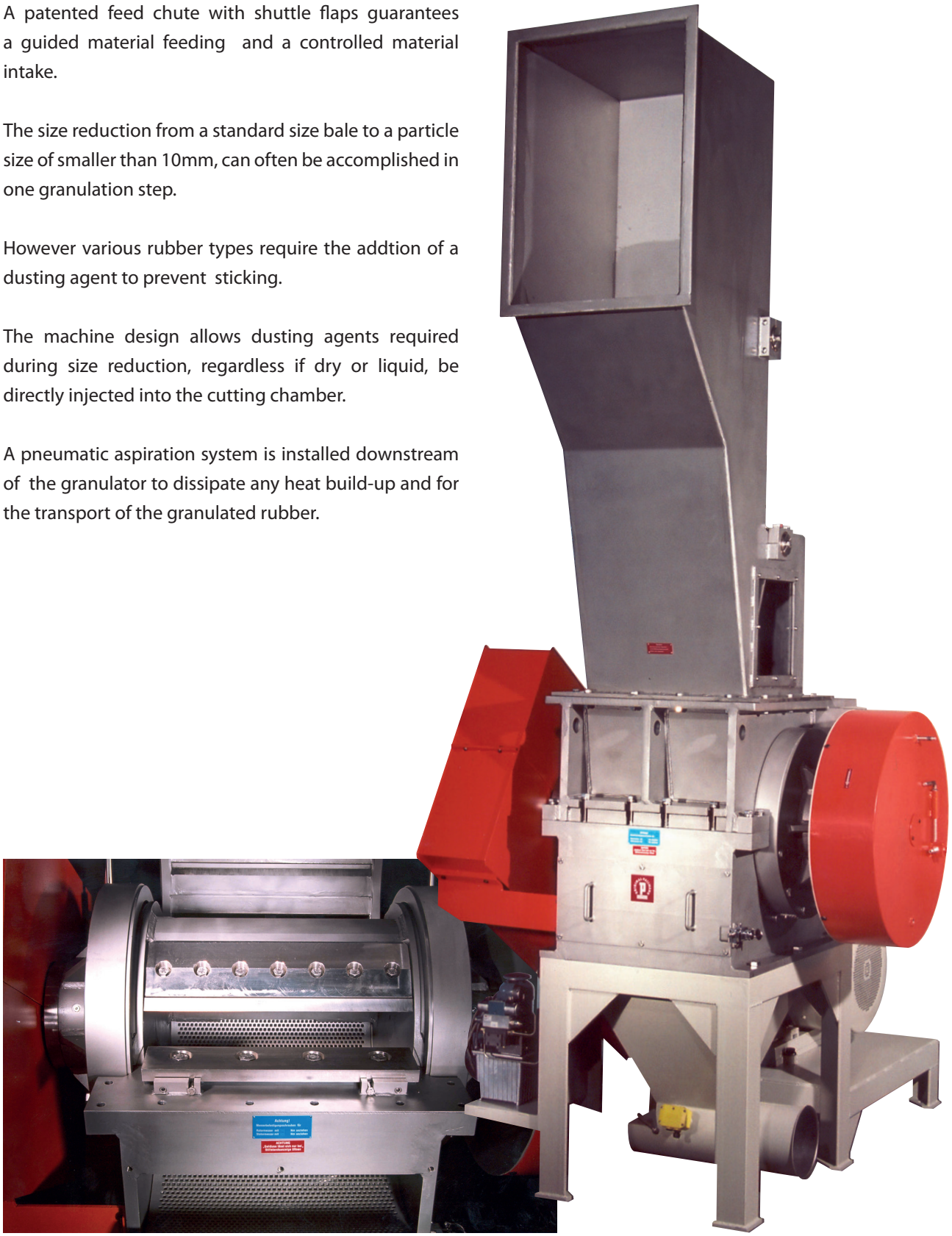
A patented feed chute with shuttle flaps guarantees a guided material feeding and a controlled material intake.

The size reduction from a standard size bale to a particle size of smaller than 10mm, can often be accomplished in one granulation step.

However various rubber types require the addtion of a dusting agent to prevent sticking.

The machine design allows dusting agents required during size reduction, regardless if dry or liquid, be directly injected into the cutting chamber.

A pneumatic aspiration system is installed downstream of the granulator to dissipate any heat build-up and for the transport of the granulated rubber.



Proven grinding systems for rubber

Type		PS 4 - 5	PS 4 - 7,5	PS 6 - 6	PS 6 - 9	PS 8 - 12
Scale up factor	f	1,0	1,4	1,55	2,2	3,7
Rotor diameter	mm	400	400	600	600	800
Rotor type		G 3	G 3	G 3	G 3	WG 6
Drive, main motor	kW	55	55 - 75	75 - 90	75 - 110	132 - 250
Throughput rate	kg/h	200 - 2000	300 - 2500	350 - 3000	450 - 4000	700 - 7000

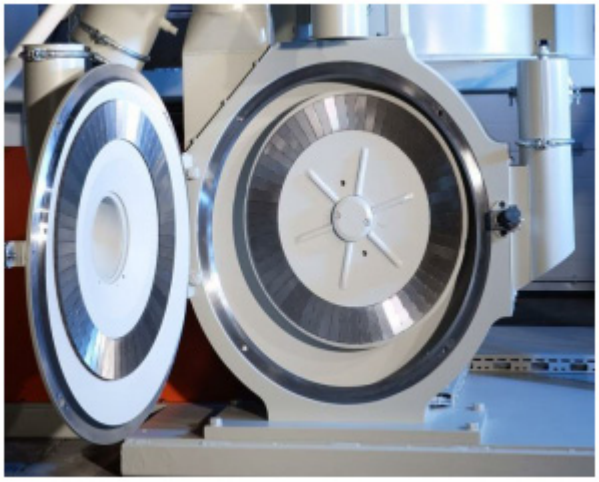
* Throughput rate heavily depends on feed material and desired particle size

Pulverizing of Rubber

Rubber powders are used in a wide variety of applications.

Various applications require various shapes, textures and sizes of the powder.

PALLMANN offers several grinding machines and systems in order to achieve the necessary material qualities and finenesses.



Type		PKM 300	PKM 600	PKM 800
Grinding chamber diameter	mm	300	600	800
Drive, main motor	kW	37	55 - 90	90 - 132
Throughput rate	kg/h	80 - 250	300 - 800	400 - 1000

Type		PLMW 800	PLMW 1250	PLMW 1800
Grinding chamber diameter	mm	800	1250	1800
Drive, main motor	kW	32 - 37	55 - 75	90 - 132
Throughput rate	kg/h	150 - 300	300 - 500	600 - 1500

* Throughput rate heavily depends on feed material and desired particle size

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System solutions for:

- Pulverizing
- Granulating
- Agglomerating
- In-House Recycling

Engineering and Service:

- Design and Manufacturing
- Research and development
- Control Systems
- Process monitoring
- Spare and wear parts for size reduction machines in PALLMANN quality
- Installation, commissioning, start-up
- Maintenance and repair service
- Operator training
- Technological training
- Retrofit and modernisation
- Warehouse stocking programs and logistic concepts

ORIGINAL·PALLMANN

PROVEN QUALITY

PALLMANN Maschinenfabrik GmbH & Co. KG
Wolfslochstr. 51
66482 Zweibrücken
Germany
Phone +49 6332 802 0
Fax +49 6332 802 521
E-Mail: plastics@pallmann.eu
www.pallmann.eu

PALLMANN

PALLMANN is the leading manufacturer of size reduction machines and systems for the plastic and in-house recycling industry. PALLMANN Maschinenfabrik designs, manufactures and supplies tailor-made, individual or complete solutions for the processing of almost any plastic as well as in-house recycling products. At its headquarters in Zweibrücken, PALLMANN company operates the world's largest research and development center for size reduction technology as well as a training and service center. More than 100 test machines are available for the preparation of various raw materials including subsequent laboratory analysis on individual scale. In co-operation with the Siempelkamp group, PALLMANN has worldwide production facilities. Our global presence is ensured by a co-ordinated sales network for machinery as well as spare parts and after-sales service.

> Member of Siempelkamp Group

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