

Fully automatic recycling system for edge trim **KAG**[®]



We know how.



Series production KAG 504

Pelletising system with air cooling

KAG® – fully automatic in-house recycling

EREMA KAG systems – continuous automatic pelletising systems – prove their merits daily around the world when recycling edge trim. **These compact systems work fully automatically with extremely low specific energy consumption and without any additional labour requirements.** 100% of the pellets produced are put back into the production process.

Technical advantages

- › Fully automatic edge trim system
- › Self-adjusting when processing edge trim
- › Edge trim control with standby operation
- › No pre-cutting of the edge trim necessary
- › Minimum thermal damage to the recycled material

Economic benefits

- NEW** ecoSAVE® reduces energy consumption as well as production costs and CO₂ emissions as a result
- NEW** KAG 756 for throughputs of up to 180 kg/h
- › High-quality end product
- › Minimum service and maintenance
- › Compact, space-saving design

PE-LD edge trim



Pellets



How it works

Feeding ① with edge trim is automatic and direct via pipes and cyclone. A choice can be made between a conveyor belt for **loose waste ②** or a **roll feeder ③** for this purpose. In the patented **cutter compactor ④** the material is cut, mixed, heated, dried, densified and buffered.

The directly connected tangential **extruder ⑤** has an **extremely short screw** (approx. 7 D) which is filled continuously. In this special, patented **extruder ⑤** the material is melted at an extremely low temperature and an **air-cooled pelletising system ⑥** is then used to make the **pellets ⑦**.

Fully automatic edge trim system

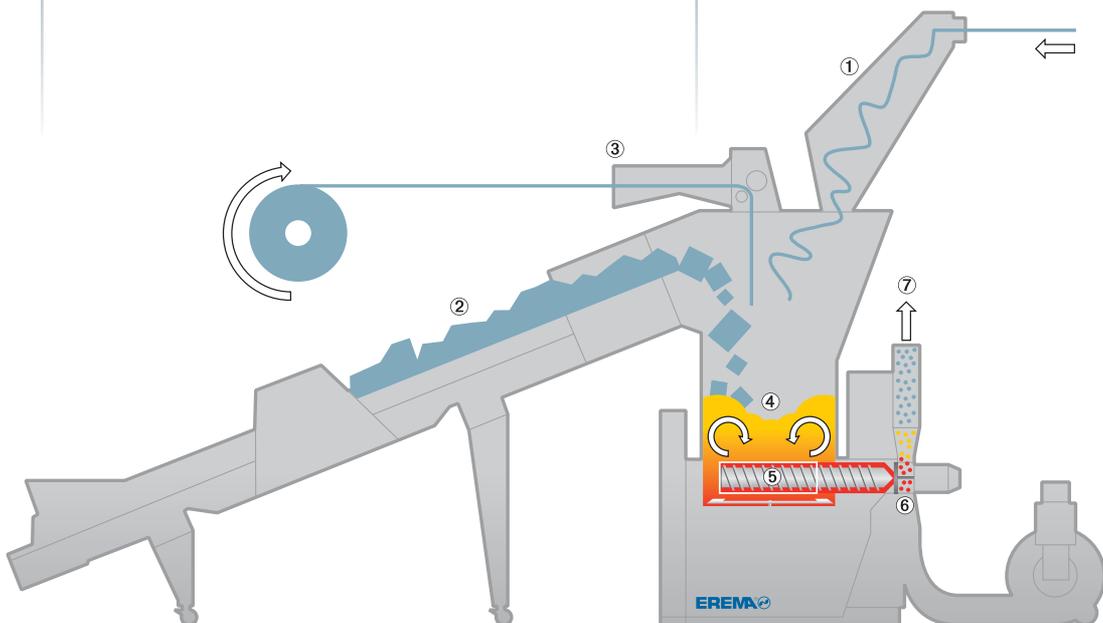
- › **Automatic feeding** of edge trim direct via pipes and cyclone
- › **Feeding options can be combined** and increase flexibility
- › **The fully automatic control system** adjusts throughput continuously according to the varying amounts of edge trim
- › **The edge trim control** switches the extruder, pelletiser and cutter compactor to standby mode if there is not enough edge trim

High-quality end product

- › **First-class material properties retained** thanks to careful processing
- › **Silo-compatible free-flowing pellets**
- › **Up to 100% of pellets returned to the production process**



- › Top quality energy-efficient components such as high-performance motors
- › High operational efficiency thanks to optimised control technology



System layout KAG



Technical data KAG®

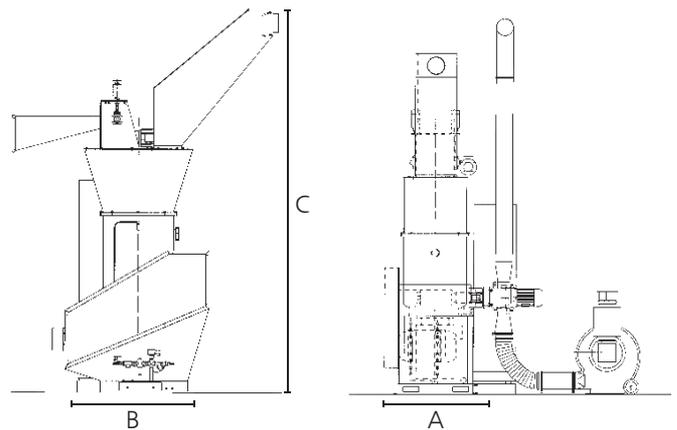
Type	Cutter compactor drive guidelines (kW)	Extruder drive guidelines (kW)	Screw diameter [mm]	Effective screw length length to diameter ratio (L/D)	Output* PE/PVC** (kg/h)
KAG 504	7,5	4	40	7	10 – 30
KAG 605	11 (15)	11	50	7	20 – 60 / 50 – 90
KAG 756	22 (30)	15 (22)	63	7	100 – 180

*) Output rates for thin films (higher throughputs may be possible with thick-walled materials)

**) The system is not suitable for processing thin-consistency melts such as PP, PET, PA and mixtures of these materials

Main dimensions

Type	A	B	C
KAG 504	1050	1000	2880
KAG 605	1245	1330	3450
KAG 756	1535	1530	4022



Demonstrations and test runs with your plastic material in our customer test centre are welcome by appointment.

Choose EREMA

- › Proven and reliable technology from the global market leader
- › Constant innovations secure the lead
- › First class worldwide customer service guarantees lasting reliability and fast support
- › Outstanding end product quality
- › Customised individual solutions

EREMA®
HIGH TECH RECYCLING

Headquarters & Production Facilities

EREMA Engineering Recycling
Maschinen und Anlagen Ges.m.b.H.
Unterfeldstraße 3
A-4052 Ansfelden, Austria
Phone +43 732 3190-0
Fax +43 732 3190-23
erema@erema.at, www.erema.at

Subsidiaries

EREMA NORTH AMERICA INC.
23 Old Right Road - Unit#2
Ipswich, MA 01938 / USA
Phone +1 978 356-3771
Fax +1 978 356-9003
erema@erema.net
www.erema.net

EREMA JAPAN Co., Ltd.
8F Tobu Yokohama Second Building
Kanagawa Prefecture
2-15-1, Kita Saiwai, Nishi-Ku
220-0004 Yokohama, JAPAN
Phone +81 45 317-2801
Fax +81 45 317-2803
erema@erema-japan.com
www.erema.at

EREMA Shanghai Office
Room 1009, Tomson Financial Building
710 Dong Fang Road, Pudong
Shanghai China (200122)
Phone +86 21 6876-6201, 6876-6204
Fax +86 21 6876-6203
erema@erema.com.cn
www.erema.at

For worldwide representatives see www.erema.at

Subject to technical modifications. Printed 10/2010. E
© EREMA Engineering Recycling Maschinen und Anlagen Ges.m.b.H.

