

GUILLOTINE SYSTEM

# Direct recycling of edge trimmings



**Rapid**  
MASTERS OF GRANULISTICS

# Instant reuse of sheet

The Rapid Guillotine System is a unique system for recycling edge trimmings directly from a sheet extrusion line. Two guillotines, one for each trimmed edge, are incorporated into the system to continuously cut the edge trimmings into small pieces.

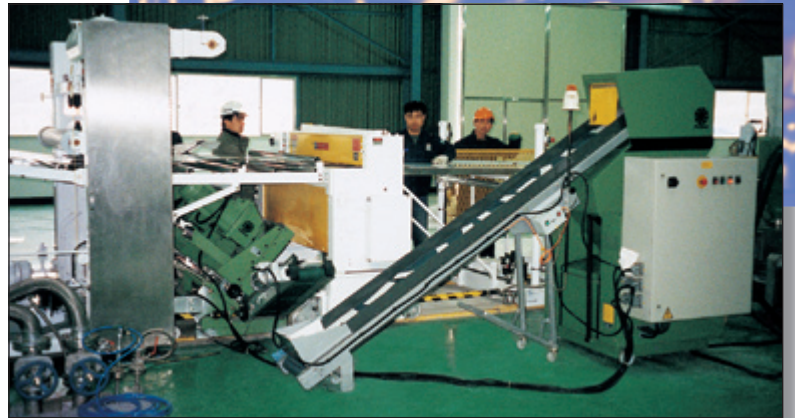
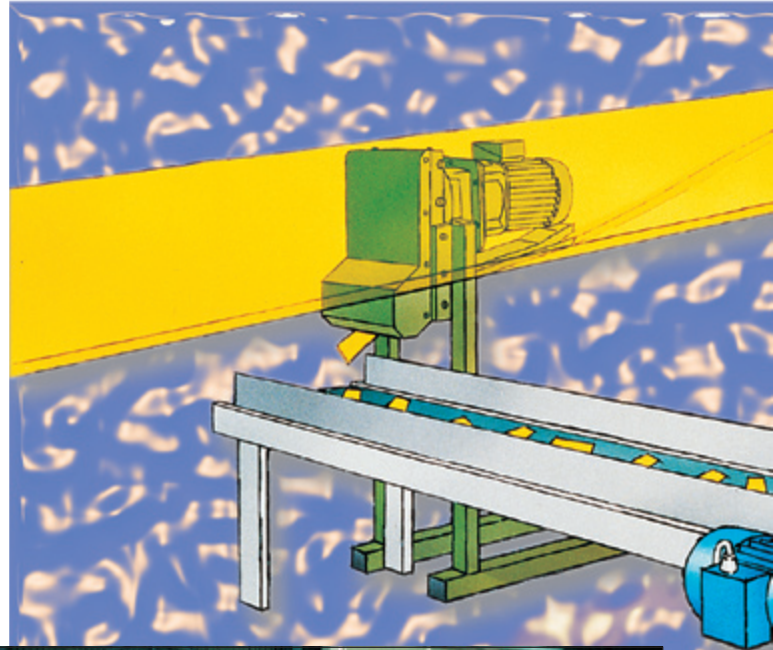
The guillotined pieces fall onto a band conveyor that transports them to a granulator, normally from the Rapid KB range. Re grind leaving the granulator is transported to an intermediate stock before being mixed with virgin material and reused.

## CUTTING PRODUCTION COSTS

The traditional way of recycling edge trimmings involves collecting the long pieces of waste and transporting them to a central granulator. Compared with this, the fully automated Rapid Guillotine System offers numerous advantages including:

- **No handling costs** – as the collection and transport of edge trimming waste is totally automated, manual feeding of the granulator is not required.
- **No storage costs** – with traditional recycling, storage of waste is normally required before central granulation if different materials and/or colours are used. This is eliminated with the Guillotine System.
- **No loss of waste** – there is always a risk of contamination and mixing of materials during the handling and storage of waste before and after central granulation. Immediate recycling avoids this risk.

The total cost savings derived from the above benefits makes the Guillotine System an attractive investment with a short payback time.



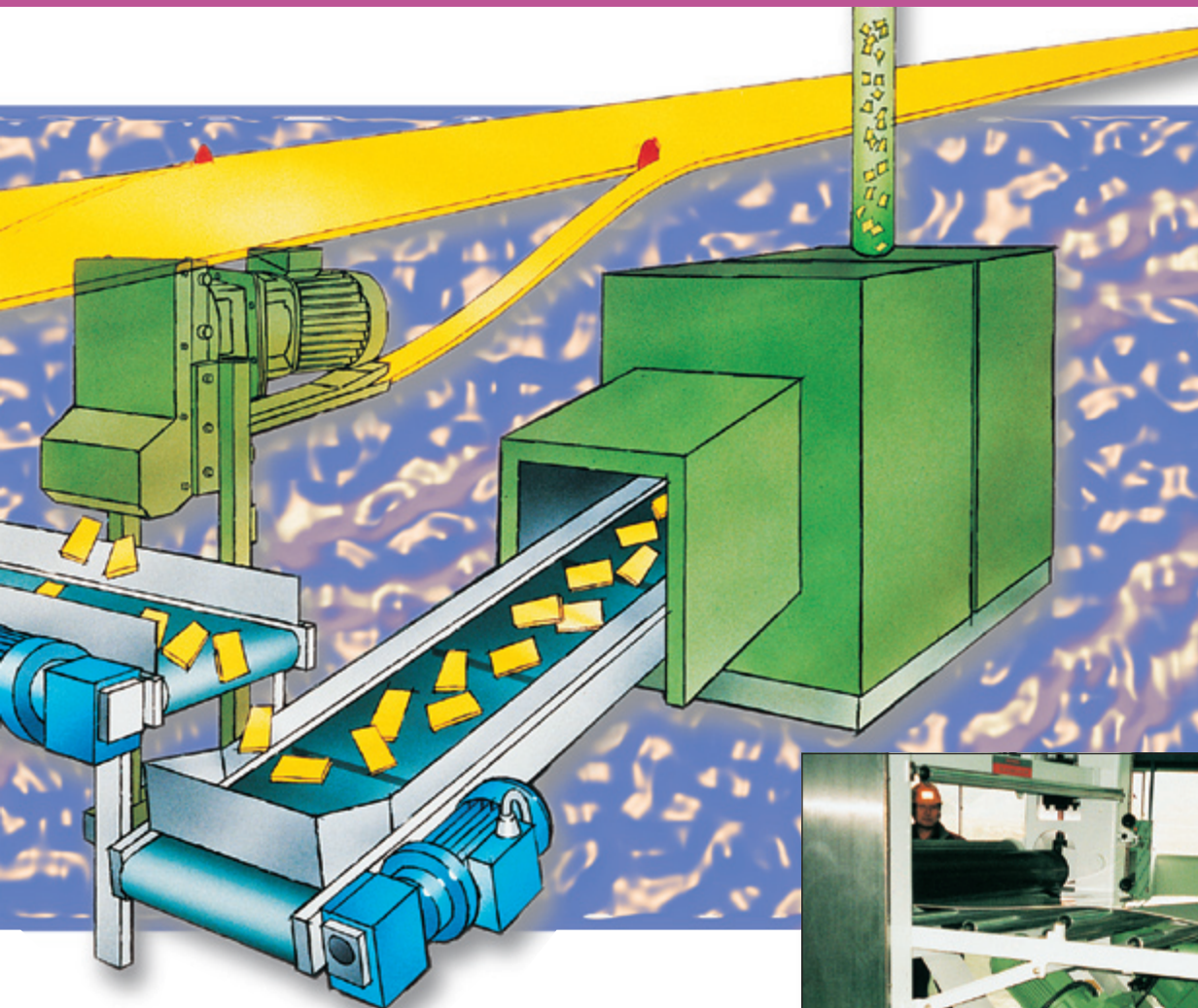
## OPTIONS FOR CUSTOMISATION

The Guillotine System is tailored to the customer's exact requirements before delivery. Options that facilitate customising a system to a particular application and production capacity include alternative and adjustable cutting frequency, two-speed motors and a metal detector located before the granulation step.

A linear table can also be supplied for mounting the guillotines so that the distance between them can be adjusted easily to suit changes in sheet extrusion.



# extrusion waste



A completely integrated and automated system for recycling edge trimming waste can reduce production costs significantly over the long term.

Rapid can also supply a KB series granulator and a blower/cyclone system for cleaning and transporting granules back to the extrusion machine.



- SEVERAL OPTIONS FOR CUSTOMISATION

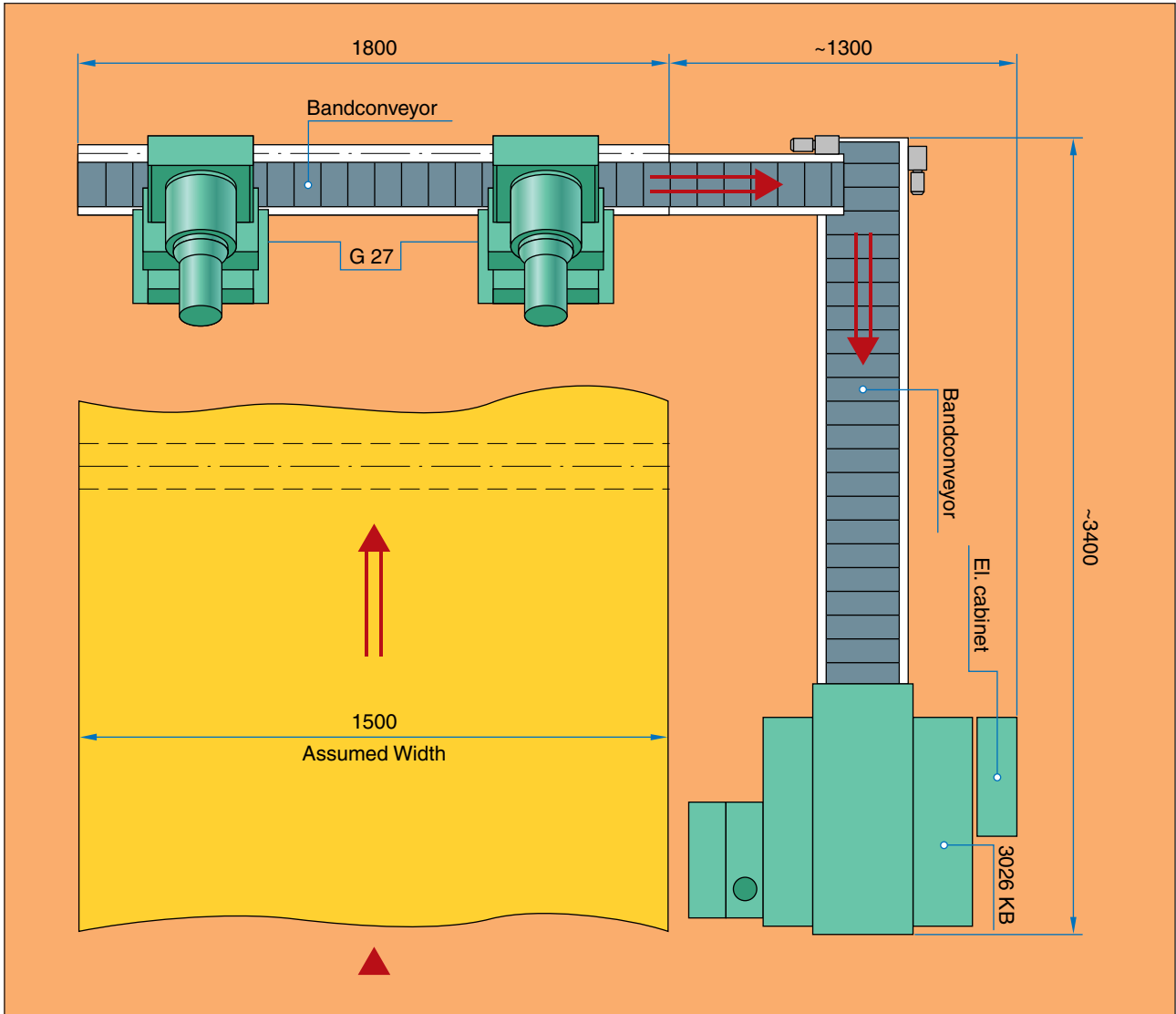
- VERY ROBUST DESIGN

- CLEAN PIECES FOR HIGH QUALITY GRANULES

- CUTTING FREQUENCY SUITS PRODUCTION CAPACITY

- SCISSOR-CUT ACTION BLADE

- FULLY AUTOMATED SYSTEM



## Your route to better granulation

With more than 30 years of accumulated experience, Rapid is a world leader in supplying granulators to the plastics industry for in-plant waste recycling. Listening to customers and responding to their needs has played an important role in our success. This close relationship has resulted in Rapid providing customers with the right granulators they need to enhance their production and recycling procedures.

Our head office is located in Sweden, and we have subsidiaries in the USA, Germany and France. These, together with a network of agents and distributors offering full-service representation, take care of our customers worldwide.

The Rapid route to better granulation is direct. We call it Granulistics.



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