



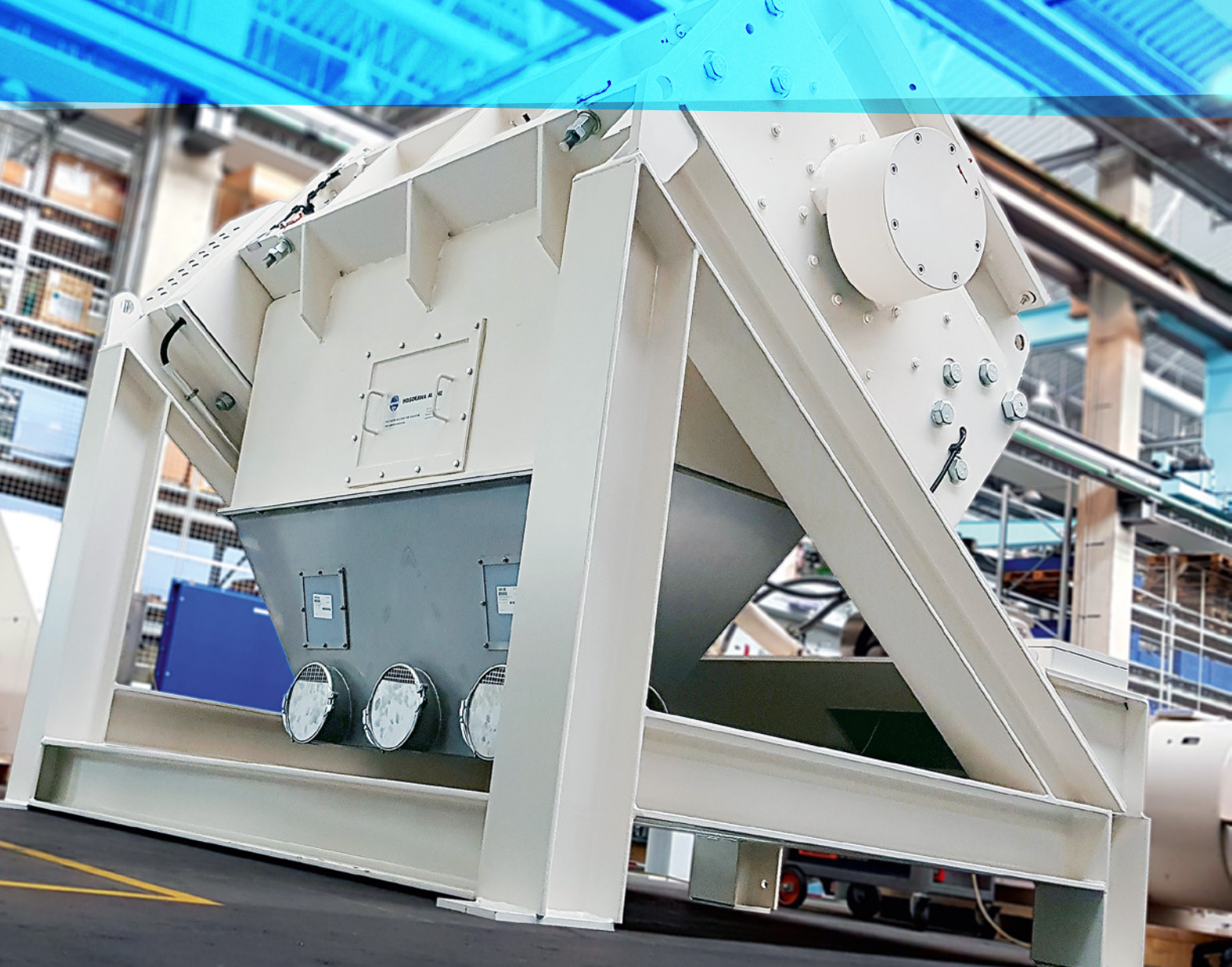
GRANULATOR PRODUCT LINE COMPACT LINE CL

Saving resources through intelligent technology



HOSOKAWA ALPINE

Process technologies for tomorrow.



- » **OPTIMAL FEED PRODUCT INTAKE AND DISTRIBUTION AS WELL AS DUST-FREE REGRIND THANKS TO CROSS-SCISSOR-CUT TECHNOLOGY**
- » **ELECTROHYDRAULIC OPENING SYSTEM GUARANTEES COMFORTABLE ACCESS TO ROTOR AND CUTTING CHAMBER**
- » **EASY CLEANING EFFECTED BY CONSISTENT GAP ELIMINATION / MINIMISATION**
- » **MULTIPLE MACHINE SIZES TO MATCH EVERY REQUIREMENT: FROM 30 kW TO 500 kW**

THE DETAILS BRING SUCCESS

Individual requirements call for individual solutions

The new CL generation sets standards in its machine segment – and that at a very attractive price. The modular concept offers maximum flexibility, versatile equipment features and a number of different construction material variants. The range of machine sizes available in this product line is finely graduated. The universal application possibilities and the technical features put the new Alpine CL granulator product line in the limelight of tailor-made systems for the recycling of plastic waste and film – in any shape or form.

Developed as a universal granulator, the success of this product line bases on the many detailed solutions.

YOUR ADVANTAGES AT A GLANCE:

- The ALPINE cross-scissor-cut rotor guarantees optimum product intake as well as distribution and thus high performance at reduced energy consumption.
- As a standard feature, the electrohydraulic opening of the mill top section and the screen support enable optimum access for cleaning procedures when changing the product or colour as well as for machine maintenance.
- Optimised handling: once one side of the screen is worn, it can be turned through 180° and reused, and the possibility of adjusting the rotor knives outside the granulator by means of the adjusting device results in less downtime.
- The concept and design of the cutting knives guarantee an exceptionally generous regrinding potential to enable reducing the spare parts requirements. The granulator's stator knives can even be used on four sides.

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MANUFACTURED
& ASSEMBLED
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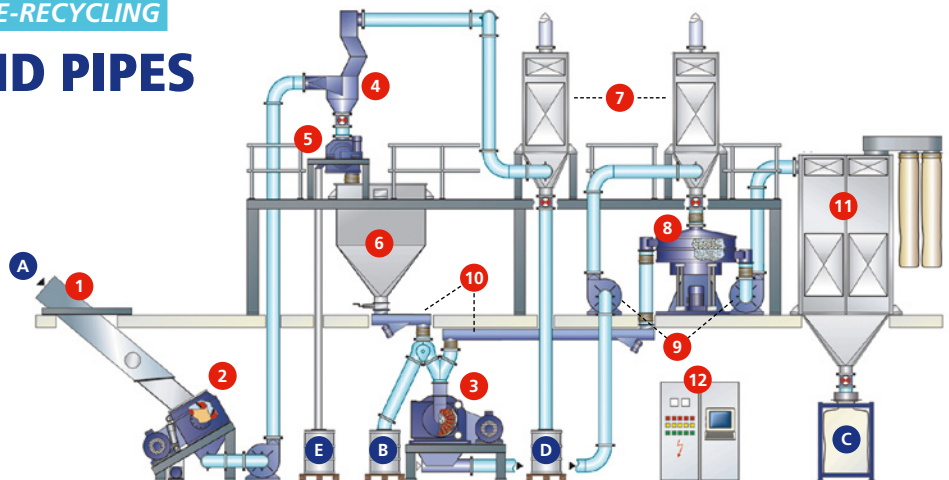


➤ Compact-Line Granulator
90/200 CL

APPLICATION EXAMPLE INHOUSE-RECYCLING

FOR PROFILES AND PIPES

- 1 Feed chute
 - 2 Granulator 45/71 CL
 - 3 Fine cutting mill 500 AFS
 - 4 Dedusting system DE
 - 5 Metal separator
 - 6 Bin
 - 7 Filter
 - 8 Screening machine
 - 9 Fan
 - 10 Conveying channel
 - 11 Filter
 - 12 Control cabinet
- | |
|----------------------------|
| A PVC profiles |
| B Ground product |
| C PVC powder (end-product) |
| D Film particles |
| E Metal particles |



System flowchart

- > Feed material: faulty and start-up profiles up to 6 m in length
- > Task: to fine-grind PVC profiles, separate dust and protective film

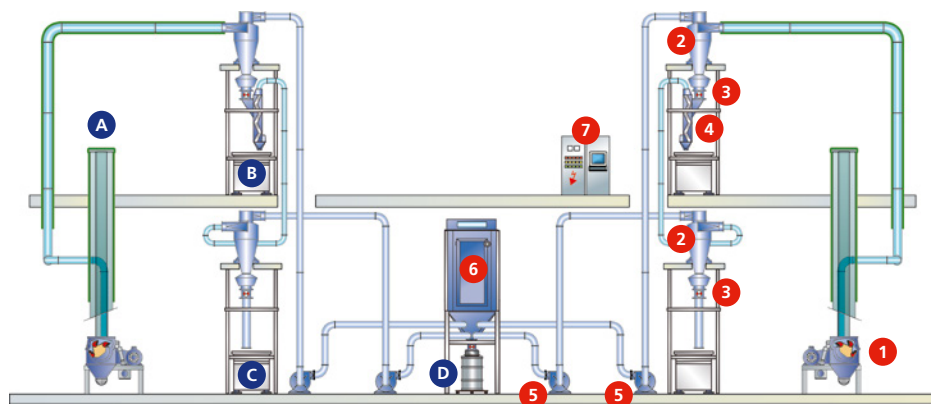
APPLICATION EXAMPLE TWIN GRINDING SYSTEM

FOR THERMOFORMING OFFCUTS

- 1 Granulator with feed valve, motor and suction tank
 - 2 Cyclone
 - 3 Rotary valve
 - 4 Zigzag classifier
 - 5 Fan
 - 6 Exhaust air filter
 - 7 Control cabinet
- | |
|-----------------|
| A Feed |
| B Granules |
| C Fine granules |
| D Dust |

Anlagenfließbild

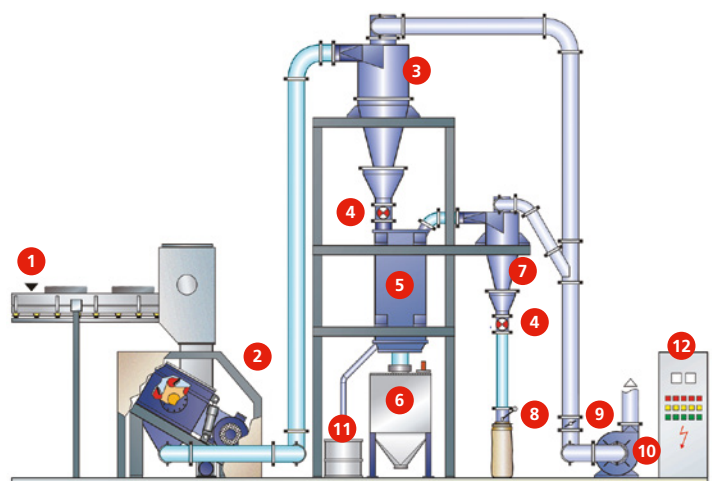
- > Green – insulation
- > Light Blue – product-bearing ductings



APPLICATION EXAMPLE COMMINATION SYSTEM

FOR PLASTIC FUEL TANKS

- 1 Feed conveyor belt
- 2 Granulator
- 3 Cyclone
- 4 Rotary valve
- 5 Separator
- 6 End-product bin with level indicator
- 7 Cyclone
- 8 Stop slide valve
- 9 Butterfly valve
- 10 Fan
- 11 Metal scrap
- 12 Control cabinet





FULL SERVICE – FROM ONE SINGLE SOURCE

Decide in favour of the individually coordinated **service options from BLUESERV** and prolong the life cycle of your system in this way. Optimise your processes - comfortably and reliably - with flexible maintenance agreements, stock or call orders for spare parts, regular system checks and intensive support. **Interested? Get in touch with us!**

TECHNICAL SPECIFICATIONS

* Reference value using an 8 – 10 mm screen

TYP CL	45 / 71	45 / 100	45 / 140	60 / 100	60 / 140	60 / 170	60 / 200
Drive (kW)	37 – 55	45 – 75	55 – 90	75 – 110	90 – 132	90 – 132	90 – 132
Throughput* (approx. kg/h)	500	900	1200	1200	1500	1800	upon request
Cross-scissor-cut rotor (rpm)	650	650	650	500	500	500	500
Number of rotor knife rows	4	4	4	4/6	4/6	4/6	6
Number of stator knife rows	2/3	2/3	2/3	2/3	2/3	2/3	3

TYP CL	80 / 140	80 / 170	80 / 200	80 / 240	90 / 200	90 / 240	90 / 300
Drive (kW)	110 – 160	132 – 200	160 – 250	250	250 – 315	2 x 200	2 x 250
Throughput* (approx. kg/h)	2000	2500	3000	3000	4000	5000	6000
Cross-scissor-cut rotor (rpm)	400	400	400	400	350	350	350
Number of rotor knife rows	4/6/8	8	8	8	10	10	10
Number of stator knife rows	3	3	3	3	3	3	3

Have we whet your appetite?
We look forward to hearing from you!



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Any questions? Just call us – we are happy to help.

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