



POWDER & PARTICLE PROCESSING
MULTIPROCESSING SYSTEM

NEW

Multiprocessing systems

One system. Maximum flexibility.



**HOSOKAWA
ALPINE**

MULTIPROCESING SYSTEM

One system. Countless possibilities.

The versatile system for every stage of development – from the initial test through to industrial production.

When developing new products whose grinding characteristics cannot be reliably predicted in advance, a high degree of flexibility is required. It is often necessary to switch between different technologies or to integrate a classifier or a classifier mill into the process. However, the use of several separate plants requires a great deal of space and can impair the efficiency of the production process.

For these requirements, multiprocessing systems have proven to be the ideal solution in practice. With these mobile and extremely flexible plant designs, different types of mills and classifiers are integrated into a common system periphery. This allows the required units to be changed quickly and easily, which both reduces the space required and significantly increases process flexibility.

TECHNOLOGICAL HIGHLIGHTS

- Connection of seven grinding and classifying modules to a single plant peripheral system
- Well-known Alpine mills and classifiers in compact design
- Small-batch production on a certified, GMP-compliant plant
- Short changeover and assembly times
- Easy cleaning
- Compact, laboratory-scale design
- Speedline series available with short lead times
- Optional wear protection

- 1 Variable-capacity feed hopper
- 2 Feeding screw
- 3 Mill/classifier
- 4 Cyclone
- 5 Product collection hopper
- 6 Filter
- 7 Fine dust collection hopper
- 8 HEPA filter
- 9 Control panel



Multiprocessing system

Optimised for dynamic R&D processes

- Maximum flexibility for your product development
- Compact, portable and modular system
- Cross-sector applications
- Scale-up-capable production processes
- Cost-effective and future-proof



PULVIS
Agitated media mill



AS 100
Spiral jet mill



AMB 100
Spiral jet mill



UPZ 100 III
Fine impact mill



ATP 50
Fine classifier



ZPS 50
Classifier mill



AFG 100
Fluidised-bed opposed jet mill

NEW

NEW

Now also
seamlessly integrable:
the spiral jet mill
AMB 100

New to the modular system: The fine impact mill UPZ 100 III

Modular design. Customised.

Choose from a range of mill and process modules and design your plant to suit your application perfectly.

MODULE	TYPE	APPLICATION
PULVIS	Agitated media mill including integrated classifier	Ultra-fine and low-contamination grinding of hard materials
AS	Spiral jet mill	Contamination-free grinding, easy cleaning and sterilisation
AMB	Spiral jet mill	Ultra-fine grinding of coarse and fibrous materials without pre-crushing
UPZ	Fine impact mill	Interchangeable grinding tools: pin mill, impact mill with impact disc, pendulum beaters or plate beaters
ATP	Fine classifier	Spray-free operation throughout the entire separation range
ZPS	Classifier mill	High fineness, cool grinding, flexible production parameters
AFG	Fluidised-bed opposed jet mill	Contamination-free grinding of even the hardest materials

AREAS OF APPLICATION

Food | Chemicals | Pharmaceuticals | Minerals & Metals

With the full integration of the fine impact mill UPZ 100 III, new possibilities are now available for your multiprocessing system.

— Full system integration:

Thanks to a newly developed universal mounting solution, the UPZ can now be fully integrated into multiprocessing systems without the need for custom designs

— Lower capital expenditure:

The universal interface enables simple and cost-effective integration of newly acquired modules

— More processes on a single platform:

The UPZ becomes an integral part of the multi-processing system and significantly expands its range of applications

— Wide range of applications:

From standard applications through to processes involving toxic, potentially explosive or abrasive products, or even temperature-sensitive raw materials

And even more possibilities



CONTAINMENT

Bespoke isolator systems, developed individually to meet your specific process and safety requirements.



RETROFITTING & SERVICE

Spare parts, maintenance and technical support are provided quickly and reliably through our Blueserv service.



TESTS AT THE TEST CENTRE

Informative trials and process optimisation at our state-of-the-art test centre, equipped with numerous test facilities.



RENTAL EQUIPMENT

Flexible rental solutions for trials, pilot projects, short-term capacity expansions or temporary solutions.



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ALPINE**

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