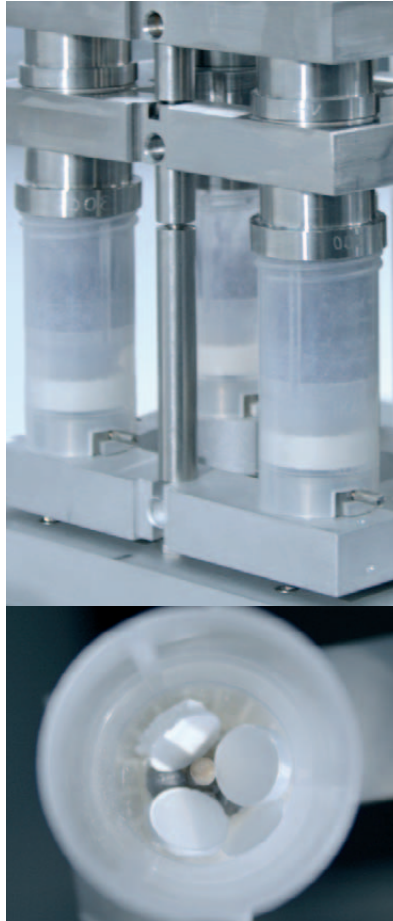


Pelletising, Grinding & Sieving

Stand-alone units



Catalyst preparation requires several steps. In order to achieve catalysts in a certain particle size range, Zinsser Analytic has developed a pelletising unit, which compacts powderous catalysts, a grinding station which crushes pellets and extrudates and finally a sieving station for selecting the particles in the required particle size range.

■ Pelletising

Compacting fine powders to tablets

■ Grinding

Pellets or extrudates can be crushed in the grinding station, 4 samples in parallel.

■ Sieving

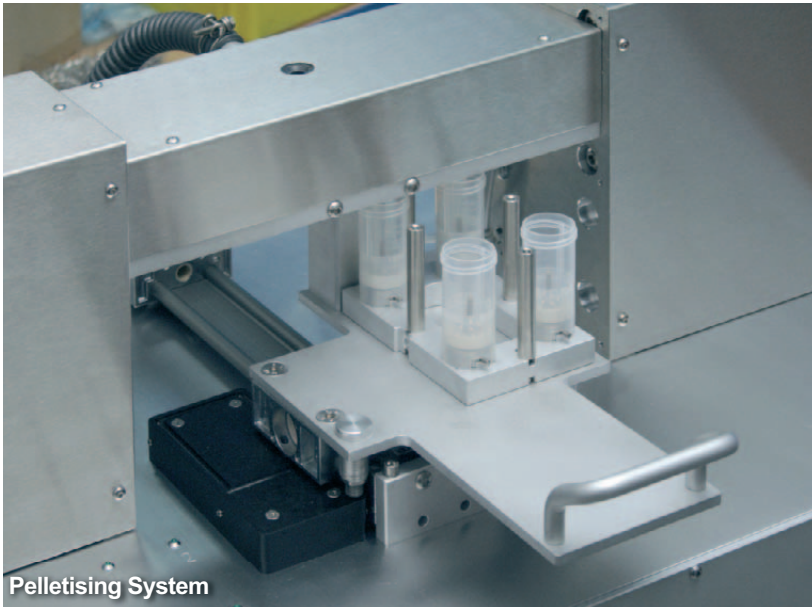
To select the powders in a defined particle size range, the samples are sieved. 4 samples can be processed in parallel. Different sieves are available for different particle sizes.

■ Easy to Use

The units are not only easy to setup and to use but also easy to clean.

■ Stand-alone or Integrated Modules

These units are available as standalone units or integrated in our systems for automating the entire workflow.



Pelletising System

The samples are manually loaded into the opening of the pelletising system. E.g. 100-150mg of alumina powder can be compressed to one tablet. For reproducible filling we recommend our manual powder pipette DryPette. The user places the receiving containers on the park station, a LED shows that the container has been positioned correctly. The user presses the buttons to start the pelletising.

A cleaning station has been integrated to prevent cross-contamination and to ensure reproducible results.

40081000

Stand-Alone Pelletising System

for 1 size of pellets

exchangeable pelletising containers

vacuum cleaning station for pelletising container

manual powder filler to transfer powders into pelletising containers



DryPette® Varix - programmable powder pipette

Electronically programmable adjustable variable mass/volume powder dispenser, comprising controller unit (positive pressure + positive displacement), mains cable, instructions, and pipette handle.

3601970

DryPette® Varix Controller Unit

3601973

DryPette® Midi Varix Pipette Handle with nozzle 50 - 625µl,
OD = 9mm, ID = 8mm, with 20 filters, spanner and filter insertion tool

40038017

Filters for Midi handles,
OD 7mm x 10mm, Qty 50 pcs

Grinding Station

The grinding station crushes pellets or extrudates in semi-micro ball mills. 4 samples can be processed in parallel. To prevent contamination disposable grinding vessels and balls are used.

The samples can either be collected directly from the pelleting system or they can be filled in manually.

On the stand-alone grinding station the timing is set on the integrated timer.

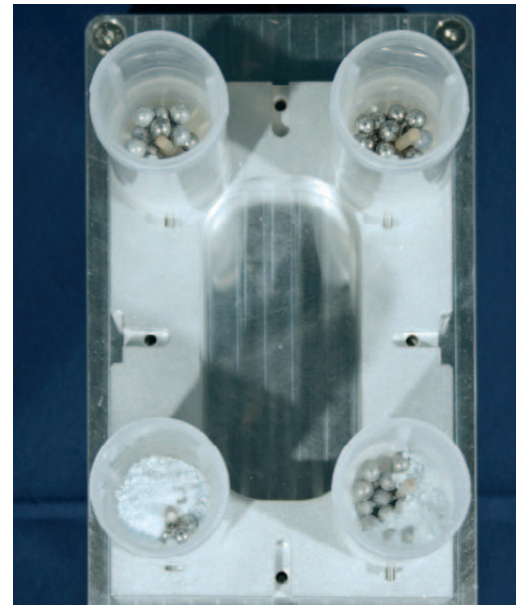
41003457 **Grinding Station, 4 positions**
Grinding mill for small containers
Complete with 1 holder for 4 grinding containers
4 grinding containers



40020800 **Grinding containers 2-15ml**
grinding container (lid and stainless steel balls)
for grinding of dry particles
pack of 25

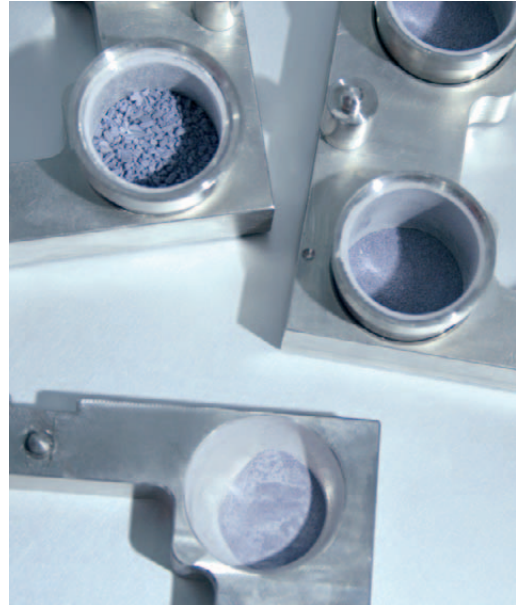


41003764 **Holder for grinding containers, 4 pos.**





Standalone Sieving Station



Sieving Station

To select the powders in a defined particle range, the samples are sieved. Up to 3 particle sizes can be selected per run. 4 samples can be processed in parallel.

The sieves are made from stainless steel and can be easily cleaned in a sonication bath. Different sieve sizes are available, customised sieve sizes are available on request.

41003216

Sieving Station, 4 positions

Vibration sieving system for 4 samples per run

complete with:

1 controller

1 holder for 4 top and bottom sieving containers each

4 top sieving containers with sieves

4 bottom sieving containers with sieves

1 waste rack

41004149

Holder for top sieving containers, 4 pos

41004150

Holder for bottom sieving containers, 4 pos.

41003217

Collection rack, 4 pos.

Bottom Sieving container, with sieve (please specify size)

Top Sieving container, with sieve (please specify size)

Standard sieves are available in the following sizes:
100µm, 224µm, 265µm, 300µm, 475µm, 560µm

Customised sieves are available on request.