


CONTAINMENT


Containment Technology - Maximum efficiency in Lab



Containment levels by traffic light principle:

OEL – Operator Exposure Limit
describes the average concentration of the active substance in µg/m³ within the operator's breathing zone over a period of eight hours.

OEB – Operator Exposure Band
indicates the toxicity level of the substance on a containment scale from one to five.



Benefits that really count:

Safe & reliable

- » All containment standards and requirements are met

Flexible & needs-based

- » Perfect for your specific requirement

Efficient & cost-optimized

- » You only invest as much as you need in containment





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Glatt.MultiLab®

The all-in-one solution for your OSD processes

(EN)

Glatt. Integrated Process Solutions.



Glatt.MultiLab®

Global innovation from the pioneer

- » The first **all-in-one system solution** for all process options from a single source
 - » **20 % shorter system response times** thanks to optimal process gas system.
- » **Revolutionary filter technology**
 - » The first **complete batch granulation line configuration** available for the lab.
- » **GlattView Batch control system SCADA** for full process control, now also available **for laboratory systems**
 - » Highly modern **PAT integration**
- » **Future processes** are easy to integrate.
 - » Simple docking thanks to **smart easy-connect concept with split filter** to quickly switch between processes.
- » Maximum security, perfect for **all containment levels** with cleaning to match your needs.
 - » Gap-free, impact, and scratch-resistant **glass surfaces for optimal cleaning.**
- » Space saving and easy to transport – **fits through any standard door.**
 - » **Optional through-the-wall installation**

Glatt. Integrated Process Solutions.



THE ALL-AROUND CHOICE

Optimized process module with reliable processes down the whole line

GPCG.Lab process module

- » Granulation, drying and coating process options in trusted Glatt quality.
- » Multiple process combinations with just 6 process combi containers in 3 l, 6 l and 10 l.
- » New multiport with inserts for Top Spray or HS Wurster for bottom and tangential spray nozzles.
- » New patent-pending filter technology and 2 proven filter systems.



VG.Lab process module

- » High-shear granulation for quickly creating of compact granulates.
- » Shorten process duration while maintaining product quality thanks to new integrated sieve technology.
- » Various rotor designs and sieve inserts.
- » Optional temperature controlled vessels in 5 l, 10 l, 15 l – smaller batch sizes also possible from 0.1 l using an adapter.



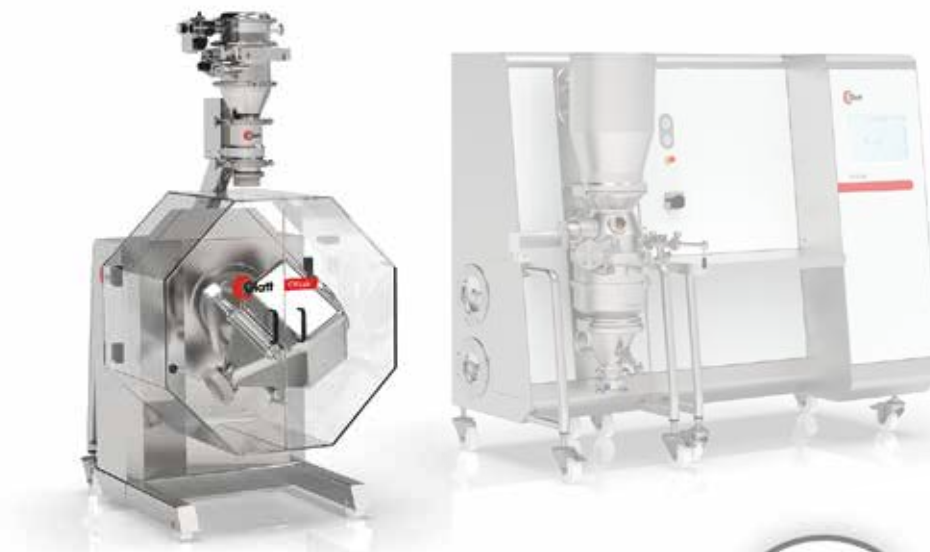
CM.Lab process module

- » Pneumatic conveying system for save product transfer.
- » Modular GSE sieve with product dependent individual configuration.
- » Rapid blending results through optimum positioning of the IBC for uniform blending.



TwinPro.Lab process module

- » High shear granulation and fluidized bed drying in a single process for a working range of 3 l to 8 l.
- » Elimination of wet sieving and product transfer. More reliable processes.
- » Optimal total containment. Maximum protection for people, product and the environment.



Rotor.Lab and CPS.Lab process module

- » Rotor: The tangentially positioned nozzle is fitted directly in the product bed. The adjustable air gap of the rotor makes it possible to always select the right air flow.
- » CPS: The technology stands for very exact and uniform pelletizing. Ideal for the production of micropellets with higher content of active ingredients.



Mainmodule. MultiLab

- » Flexible process options and scalable processes.
- » Fully-integrated intuitive GlattView batch controlling system for full control of all process modules.



GC.Lab process module

- » Optimized coating at the smallest scale.
- » Flat spray nozzle with patented ABC technology (anti bearding cap) for homogeneous, adjustable spraying with reproducible quality.
- » Exchangeable coating pans 2.5 l, 5 l, 9 l, 12 l for a working range of 1.3 l to 12 l.

