

PROCESS & PLANT ENGINEERING + INNOVATIVE PROCESS TECHNOLOGY

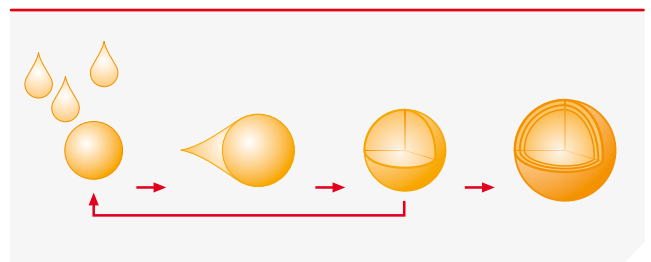
FUNCTIONALIZATION OF DETERGENTS

PRODUCT COMPETENCE



More performance for your detergents.

Additives functionalize detergents. Surfactants and bleaching agents are used for targeted effect on organic substances. You would like to improve the effect of detergents while at the same time fulfilling the stringent requirements regarding environmentally friendly cleaning processes and complying with the criteria regarding storage, handling and dosing?



Compact, dust-free, water-soluble granules.

By spray granulation of detergent additives you manufacture round pellets with a dense surface and high abrasion resistance. The advantages in application are improved storage capability due to reduced hygroscopicity and improved transport and dosing properties. At the same time, the water solubility of such granulates is adjustable.



Products with Glatt particle design:

- » Surfactants
- » Polymers
- » Laundry detergents
- » Phosphonates



PROCESS COMPETENCE



Effective and continuous - with guarantee.

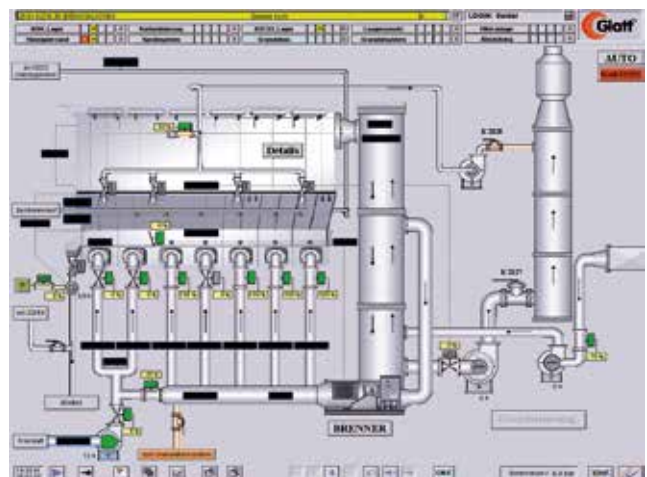
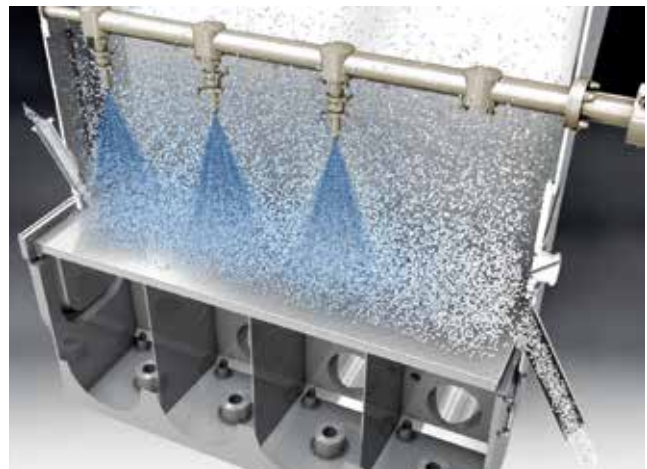
Glatt spray granulation with innovative fluidized bed or spouted bed technology is an optimum process for the manufacturing of your detergents from liquids and powders. Granule formation and subsequent drying can be carried out in a single process step. For the operating efficiency of your plant and reproducible product quality Glatt guarantees process parameters such as capacity, grain size, solubility and product purity.

Continuous fluid bed granulators.

In systems with round bottom screen and central discharge the material is continuously mixed. Glatt fluid bed granulators are divided into several process chambers. In addition to granulation and drying, the cooling of the granules can also take place in the same system. For all concepts, Glatt ensures reproducible constant capacities and outstanding product qualities.

Product advantages with Glatt spray granulation:

- » Dust-free granules with high bulk density
- » Narrow grain size distribution
- » Constant filling weight and volume
- » Improved solubility, dosing, flowability



TECHNOLOGY COMPETENCE



Functional detergents with innovation.

Glatt has the entire technical know-how required for the production and handling of your product. We provide you with a finished concept that takes into account not only the requirements for protection against explosions but also the minimization of emissions into air and water. We design our granulation multi-talents in accordance with your preferences. In addition, our experienced project management coordinates assembly, commissioning and also training of your operating personnel.

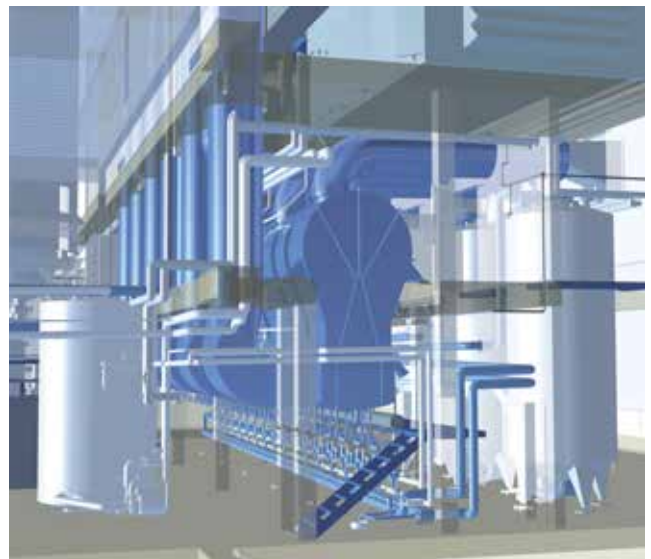
Reference system: stabilizer.

Glatt performances: tailored design and layout, project management, delivery of process technology and peripheral systems, commissioning, training of operating personnel.

Filters built into the granulator minimize dust emissions and maximize the product yield. Following manufacture of the desired particle size, the product is subsequently dried and cooled down.

Information regarding the reference system:

- » Capacity \geq 3520 kg/h
- » With process guarantee



PLANT ENGINEERING COMPETENCE



Process and plant engineering.

Glatt is your engineering and technology partner with more than 60 years of process expertise. We accompany you from the initial idea through the consulting for process and general planning, all the way to start-up of turn-key production facilities. Whether it be new construction, modernization, expansion or relocation of production site – tailored to your specific tasks, we develop the tailored solution that is optimum for you.

Technologies in focus.

At the center of attention are your products and their manufacturing. We integrate your technologies or pioneering Glatt technologies. Depending on the requirement, we supplement the process know-how through the procurement of licenses of international partners.

Range of engineering services:

- » Consulting and feasibility studies
- » Conception, basic and detailed engineering
- » Project management for planning and execution
- » Authority engineering and financing concepts
- » Planning and supervision for construction, assembly, start-up
- » EPCM projects
- » Support with FAT and SAT





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