CONTINUOUS PULSED POWDER SYNTHESIS

Glatt ProAPP®

» Very uniform particles
» Suitable for various materials
» Joint process and material development
» Easy and fast scale-up
» Various capacities available
» Set-up and installation
Glatt ProAPP® – CONTINUOUS PULSED POWDER SYNTHESIS

Quick and easy set-up of process parameters to speed up material and process development.

Processes improvement by:
- dedicated design for powder synthesis in extremely homogenous conditions
- flexible adoption of process parameters to your product requirements
- high flexibility of starting materials (solution, slurry or solid)
- combination of particle synthesis with coating or drying in one step possible

You will benefit from:
- unique thermodynamic conditions
- extremely rapid mass / heat transfer
- very homogeneous reaction conditions
- narrow size distributions
- no hard aggregation
- extensive range of applicable starting materials (metall salts solutions or slurries, silica, ceramic pre-cursors, battery materials, pigments, etc.)

Size (examples) | Glatt ProAPP® Lab | Glatt ProAPP® 500
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Process | Glatt Pulsed Powder Synthesis |  
Installed heating power | 15 kW (max. 70 kW on demand) | 500 kW
Treating temperature | 200 - 900 °C (max. 1300 on demand) |  
Pulsation | 10 - 300 Hz, 0 - 50 mbar |  
Retention time | 0.1 – 1 s |  
Capacity | 100 g/h - 300 t/a (higher capacities on demand) |  
Design | oxidizing or inert conditions, stainless steel, cassette filter |  
Delivery | complete delivery, ready for synthesis |  

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