

Burgsmüller ScrewCon – the ideal solution for compounding companies

- Configuring processing sections for compounding extruders in next to no time
- Stored geometrical data for about 3,000 different screw and barrel housing elements

(Einbeck 7th June 2018) At this year's Compounding World Expo in Essen from June 27 to 28 in hall 1, booth 127, Burgsmüller will present its ground-breaking screw configuration software, Burgsmüller ScrewCon, for custom-fit combination of screw and barrel housing elements for twin-screw extruders. This new software is not designed for specific extruder brands, but can be used for configuring the processing sections of a wide range of different twin-screw extruders.

For compounding companies, each extra gram of pellets produced at a defined energy input has a decisive impact on the cost balance. This is where the Burgsmüller ScrewCon solution comes in – the new software ensures rapid, cost-effective and premium-quality compounding in particular with applications involving frequent material changes and low throughput rates. Experts design tailored screw and barrel housing element configurations for any application with true-to-scale visualization. In addition to in-depth process-engineering know-how and the specific rating of conveying, kneading, mixing or retaining elements, Burgsmüller provides advice on the optimum material selection for the screw elements and housings in order to increase the service life and the output rates. The ScrewCon software thus provides a perfect screw configuration the compounding company can integrate into the production documents and use for job order planning.

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Stored geometrical data for about 3,000 different screw and barrel housing elements

There is a library of about 3,000 screw and barrel housing elements Burgsmüller can choose from for different twin-screw extruder brands, types and sizes. This allows bespoke configurations to be designed for specific machine types and applications. If the required elements are not available, Burgsmüller can easily add them using the basic data all machine owners have on hand. Burgsmüller is not limited to the standard portfolios from the extruder producer, but can provide compounding companies with the most cost-effective screw configuration by integrating special elements as well, like MultiProcess elements, shoulder kneading disks or other mixing elements.

Photos:

Photo_1_180607_PM_BM_CompoundingWorld: Burgsmüller screw and barrel housing configurations log – thanks to the identical structure optimum comparability is ensured

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Burgsmüller company profile

Einbeck-based Burgsmüller GmbH employs 95 staff members and is an independent company within the KraussMaffei Berstorff Group. Since its foundation in 1876, metal machining has been one of the company's core competencies. Thanks to continuous research and development activities and numerous patents, Burgsmüller ranks among the most innovative metal machining businesses. The internal and external whirling processes used by all spindle manufacturers today were originally introduced by Burgsmüller.

Over 40,000 screw elements per year for the extrusion industry as well as screw shafts and barrels are manufactured on the in-house metal-machining centres. Burgsmüller supplies not only its parent company but numerous OEMs and end users in the plastics, pharmaceutical and food industries with spare parts designed for over 180 different twin-screw extruders from at least 30 manufacturers. At the same time, Burgsmüller focusses on contract manufacture of threads, spindles, nuts and conveying screws. The Burgsmüller manufacturing portfolio is rounded off by whirling and milling machines installed around the globe.

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