always the right powder for you
the grinding authority

dressler group

Mission now possible:

SPT — Spherical Powder Technology

In everything we do, our customers take centre stage. With SPT, we are opening up a whole new world for them, for example in additive manufacturing/3D printing. Because SPT allows us to create powders out of high-performance polymers that could not previously be pulverized. Designed on the dot, with or without additives, even as filled powders. And in every case, meeting precise individual customer specifications.

Register now at www.mission-now-possible.de or give us a call.
We look forward to hearing from you.

In October 2019, we presented our patent-pending Spherical Powder Technology (SPT) process to industry professionals for the first time at the „K“ trade fair in Düsseldorf. The response was overwhelming. With SPT, we are upholding our tradition of optimally combining research, development and practice to develop not just what is needed today – but what could be needed in the future.

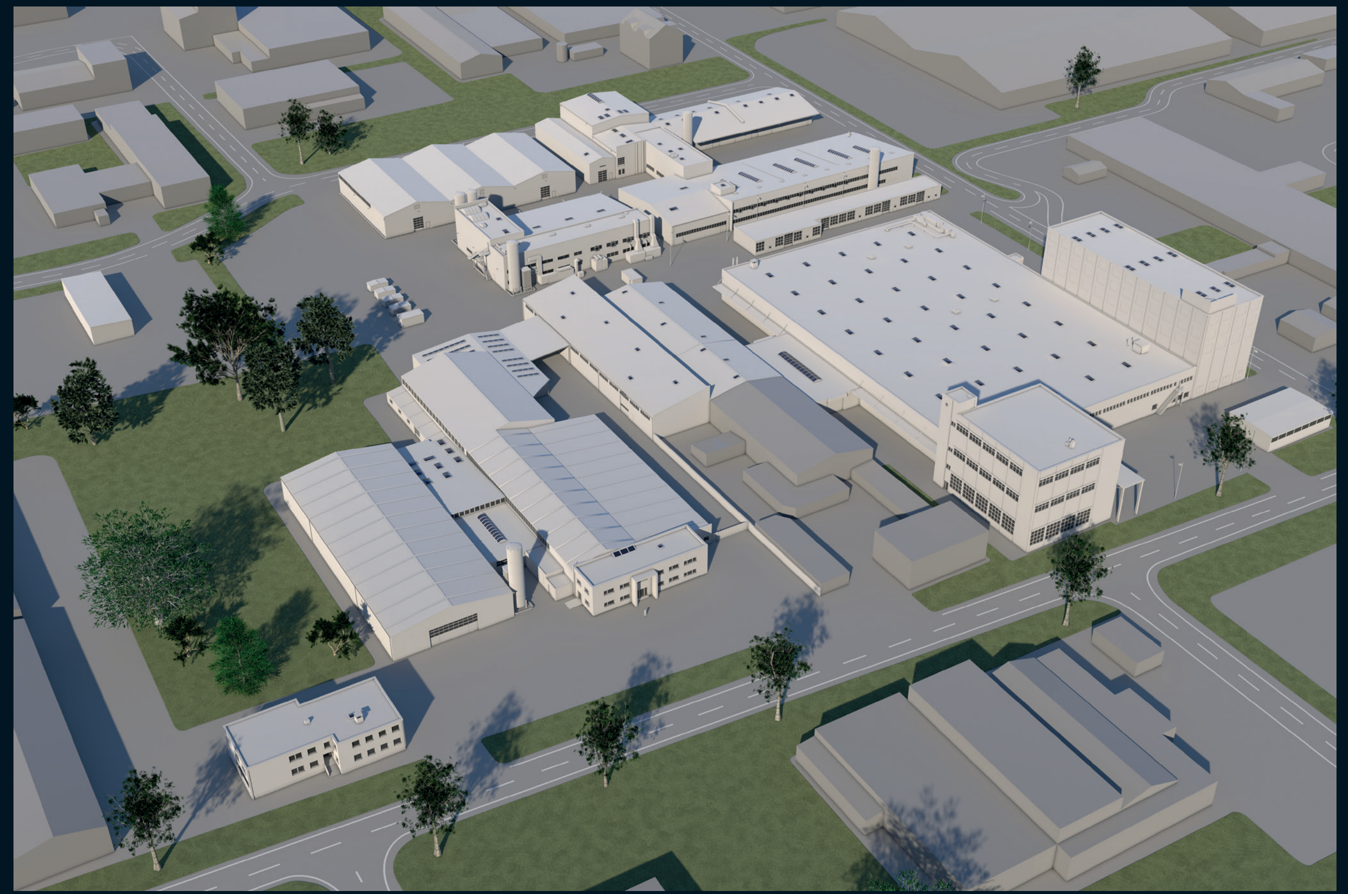
But with SPT, we can show you a trick or two.

We‘re not magicians.

What our customers and trade fair visitors had to say about the premiere of SPT:

» In every job there are always points where progress comes to a standstill, that's perfectly normal. And like a child, you wish you had some kind of magic powder to solve your problems. I never dreamed that I would encounter such a magic powder in real life. For me, this might be the impact of SPT: it could solve my problems. And these solutions are not just intangible concepts, but entirely new ideas that can actually be implemented today. «

Material Researcher of a Technical University in Germany



Dressler Group Innovation Campus in Meckenheim

» We have developed a new bio-plastic made from renewable raw materials, but it poses problems when it comes to pulverization. Thanks to Dressler Group's SPT process, we can now turn it into powder. In our case, SPT seems to deliver on exactly the promises we heard about at the trade fair: our plastic becomes a powder for the first time, which opens up entirely new potential applications and processes. The tremendous material efficiency would be another crucial benefit. This further enhances the sustainability of bio-plastics in practice. «

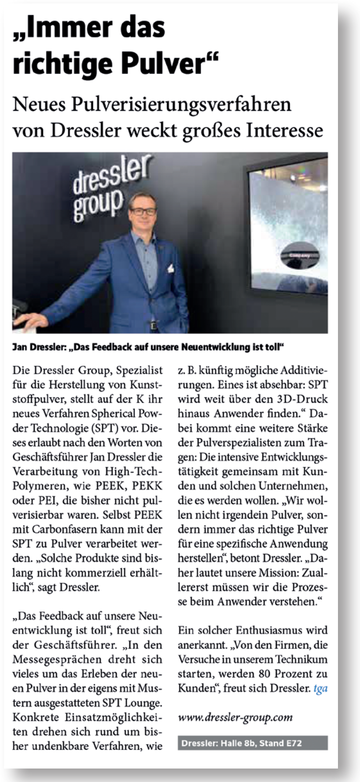
International Raw Material Producer, Head of Business Development

» As an established customer of Dressler Group, I have observed the development of SPT from day one. On a scale of one to ten, I would give SPT an eight in terms of innovation and breaking new ground. If I'd learned about it for the first time at the fair, I'd have given it a round ten. In terms of the raw materials we will be able to process in the future thanks to SPT and what this innovation will enable us to do, the price/performance ratio is very attractive. «

Automotive Supplyer Industry, Head of R & D

...and this is what the trade press had to say:

Published in K-Aktuell



„Immer das richtige Pulver“

Neues Pulverisierungsverfahren von Dressler weckt großes Interesse

Issue „Tag 6“
Dressler's new pulverization process sparks great interest

Dressler Group, a specialist in manufacturing plastic powders, presents its new process Spherical Powder Technology (SPT). In the words of Managing Partner Jan Dressler, this allows powders to be created from high-tech polymers such as PEEK, PEKK and PEI that that could not previously be pulverized. Even PEEK reinforced with carbon fibres can be turned into powder using SPT. „These kinds of products have never been commercially available before," says Dressler.

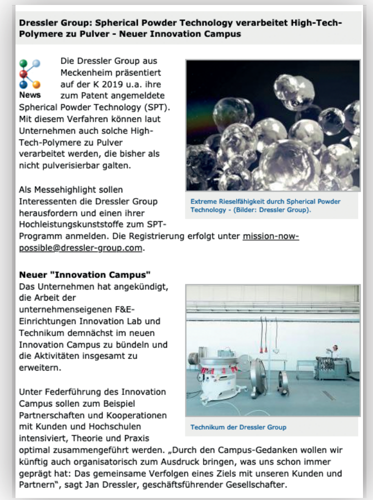
„The feedback on our new development is great," says the Managing Partner. „Many discussions at the trade fair centred on the experience of the new powders in the SPT Lounge, which was specially equipped with samples.

Concrete application possibilities emerge from previously inconceivable processes; the use of various additives, for instance. One thing is clear: SPT will be adopted in areas that extend way beyond 3D printing." This is where another strength of the powder specialist comes to the fore: its development activities in close collaboration with existing and potential customers. „Our aim is not to create just any powder, but precisely the right powder for a specific application," underlines Dressler. „That's why our mission statement is all about fully understanding our customer's application at the very start of any development process."

This kind of enthusiasm is infectious: „Of the companies that begin trials at our Technical Centre, 80 percent become customers," Dressler is pleased to report.

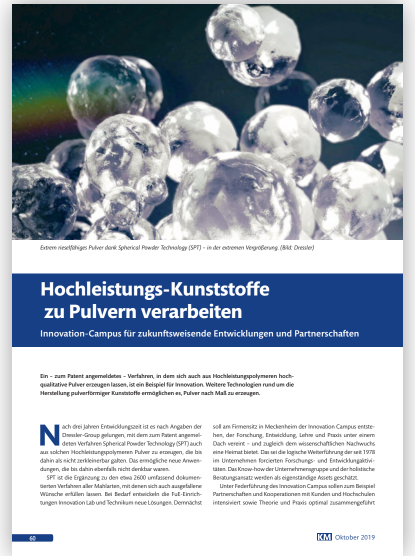
Published in Plasticker News

30.09.2019
„Spherical Powder Technology verarbeitet High-Tech-Polymere zu Pulver - Neuer Innovation Campus“

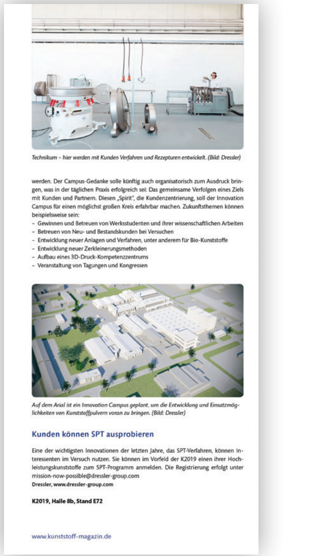


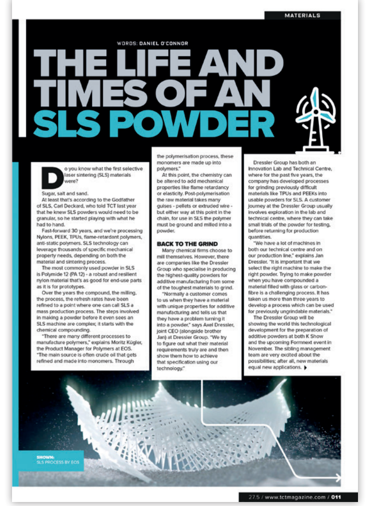
Published in Kunststoff Magazin

Edition 10, Page 60 – 62
„Hochleistungs-Kunststoffe zu Pulvern verarbeiten“



Hochleistungs-Kunststoffe zu Pulvern verarbeiten





Published in TCT-Magazine

Issue 27.5, Page 11
Back to the grind

Many chemical firms choose to mill themselves. However, there are companies like the Dressler Group who specialise in producing the highest-quality powders for additive manufacturing from some of the toughest materials to grind.

„Normally a customer comes to us when they have a material with unique properties for additive manufacturing and tells us that they have a problem turning it into a powder," says Axel Dressler, joint CEO (alongside brother Jan) at Dressler Group. „We try to figure out what their material requirements truly are and then show them how to achieve that specification using our technology."

Dressler Group has both an Innovation Lab and Technical Centre, where for the past five years, the company has developed processes for grinding previously difficult materials like TPUs and PEEKs into usable powders for SLS. A customer journey at the Dressler Group usually involves exploration in the lab and technical centre, where they can take small trials of the powder for testing, before returning for production quantities.

„We have a lot of machines in both our technical centre and on our production line," explains Jan Dressler. „It is important that we select the right machine to make the right powder. Trying to make powder when you have compounded a material filled with glass or carbonfibre is a challenging process. It has taken us more than three years to develop a process which can be used for previously ungrindable materials."

The Dressler Group will be showing the world this technological development for the preparation of additive powders at both K Show and the upcoming Formnext event in November. The sibling management team are very excited about the possibilities; after all, new materials equal new applications.

members **godding + dressler** **linus** **mps** **dgcs**