

Press release

Dressler Group at formnext 2017: Exhibition of the plastic and 3D printing expertise of new HP Inc. 'preferred partner'

Additive manufacturing/3D printing has revolutionised the manufacture of more complex or rarely needed components and even enables decentral manufacture on demand. The Dressler Group is making a major contribution here: with its almost 40 years of expertise in the finishing and precise optimisation of plastic powders, it gets the raw material for 3D printing to the machines in the first place.

Trade fair highlights for the Dressler Group at a glance:

#1: Optimisation of plastic powders, designed specifically for customer requirements

#2: The Dressler Group is a preferred partner of HP Inc. (previously Hewlett Packard) for developing and manufacturing powder for HP Multi Jet Fusion 3D printers

#3: In-house development Spherical Powder Technology (SPT) enables previously unachievable degrees of fineness e.g. in PEEK plastics and opens up brand new areas of application

#4: Innovation Day @ Dressler Group: Information platform by experts for experts first-hand // becoming acquainted with the 'future in real time' principle on site in the Innovation Lab and technical centre

Meckenheim, 14 November 2017 – The Dressler Group from Meckenheim near Bonn will be attending the formnext trade fair in Frankfurt am Main from 14 to 17 November. More than 470 exhibitors from Germany and abroad are expected at the event focusing on additive manufacturing/3D printing.

EXPERTISE IN PLASTIC POWDER

The Dressler Group specialises in grinding and finishing plastic powders. With the Innovation Lab and technical centre, it has its own research facilities that create an optimum link between theory and practice. Production takes place on systems that the company largely plans and builds itself. All techniques, such as warm and cold grinding, spraying, extruding and mixing, are offered.

LATEST PROCESS DEVELOPMENT

When it comes to manufacturing/3D printing, the Dressler Group has already experienced a hugely positive response at numerous trade fairs and conferences with its latest innovation Spherical Powder Technology (SPT). The special feature: for instance, SPT enables degrees of fineness of less than 80µm for PEEK plastics, which had been impossible until now. What's more, the process can optionally be undertaken completely without additives, it works at comparatively low temperatures, even enables filled powders, and significantly improves free-flowing properties. Overall, SPT powders open up brand new application options, such as highly complex, more resilient structures in 3D printing.

“In many cases, SPT gets the raw material to the machine in the first place,” says Jan Dressler, managing partner and CEO at the Dressler Group. “It maximises the reliability and productivity of the printers because the SPT powder is extremely free-flowing thanks to a level of roundness that has not been achievable in this dimension until now. At the same time, processing steps are cut out – thus increasing cost-effectiveness and environmental

efficiency.” In its soon-to-be 40-year history, the Dressler Group has become established as a kind of extended research department and workbench for its customers.

PREFERRED HP PARTNER (ecosystem network)

This original expertise has now impressed America’s HP Inc. (previously Hewlett Packard). The PC and printer manufacturer announced on 9 November 2017 that it has selected the Dressler Group to be what it calls a preferred partner, which takes care of developing and manufacturing of powders for the HP Multi Jet Fusion 3D printer for HP.

<http://www8.hp.com/us/en/hp-news/media-kits/2017/hp-jet-fusion-3D-4210.html>

INNOVATION ON OFFER

Besides its attendance at the formnext trade fair, the Dressler Group is offering a further opportunity to get to know the company in detail: anyone interested can apply their individual ideas to the optimisation of their own plastic powder in the Innovation Lab and the connected technical centre in Meckenheim and take home the finished specifications – wish fulfilment on demand, so to speak. With minimum cost risk and maximum success.

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Dressler Group - The Grinding Authority

About the Dressler Group

The Dressler Group has specialised and been comprehensively certified in the grinding and finishing of chemical and technical products for all key industries for over 35 years. At the same time, the Dressler Group has always undertaken research and development. All types of grinding and complete warehousing and packaging logistics are offered. Both gram-based test grinding and individually specified large quantities are available. Always exactly reproducible and just in time.