

Press release

Vaillant opens new 3D print centre

- **Specialised competence centre for prototype development in 3D printing process inaugurated**
- **Shorter innovation cycles due to digital component development and production**
- **Further focus on forward-looking development processes at Remscheid site**

Remscheid, 28 April 2017 – The Vaillant Group today ceremonially inaugurated in Remscheid a new competence centre for digital 3D printing processes. The new 3D print centre is called 3D-CUBE. The digital print process will be employed initially in pre-series production in the building of prototypes. It forms another interface of development activities and production at the Vaillant Group headquarters in Remscheid.

"Compared to the classic industrial manufacturing system, the 3D print process enables the production of complex components, modules and whole assemblies in much shorter time and at significantly lower costs. This makes the entire development process more flexible and shortens innovation cycles in product development," says Doctor of Engineering Norbert Schiedeck, Managing Director Technology at the Vaillant Group, explaining the benefits of the system.

The 3D print process also enables geometrics and structures to be created which with customary tools and usual system technology could not be produced at all. Examples of this are forms or intertwined components based on the animal or plant world. This is achieved by a layered structure in one work piece. The machines in the 3D print centre also process plastics in different technical systems as well as materials such as synthetic resins, ceramics and metals.

The 3D printing takes place completely digitally and data-based. No tools are used or manual work carried out. Reworking manufactured components is virtually not required.

VAILLANT GROUP

This boosts the production quality as a whole. The 3D print process is prospectively also an interesting solution for spare parts. Instead of extensive storage or complex follow-up production, certain parts can in future be printed according to need.

The **Vaillant Group** is an internationally operating company based in Remscheid, Germany, that is active in the sectors of heating, ventilation and air conditioning. As a worldwide market and technology leader the Vaillant Group develops and produces tailor-made products and systems and provides services for domestic comfort. The product portfolio ranges from efficient heating appliances based on customary fuels to system solutions for the use of renewable energies. In financial year 2015 the company, which has been family-owned since its founding in 1874, achieved with more than 12,000 employees a turnover of about €2.4 billion.

Contact

Dr Jens Wichtermann
Director Communications,
Sustainability Management & Policy
Vaillant Group
42850 Remscheid
Germany

Phone: +49 2191 18-2754
Mobil: +49 175 2951810
E-mail: jens.wichtermann@vaillant-group.com
Web: www.vaillant-group.com

Caption: The Vaillant Group has opened in Remscheid a new competence centre for prototypes development in the digital 3D print process. The process enables the production of complex components, modules and assemblies which could not be done with customary tools and technology.

Photo source: Vaillant Group