# Press Release

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## Green light for innovation

**Schunk Ingenieurkeramik puts new 3D printer into operation**

**Willich, 27th January 2016 – Following approval by the district government in Düsseldorf and the official launch, the technology has now moved out of the development phase and into production. “I am delighted that we can now really get our new engineering ceramics production process off the ground,” said Joachim Heym, CEO of Schunk Ingenieurkeramik in Willich, at the official unveiling of the 3D printer.**

This was partially thanks to support from the authorities involved, added Heym in reference to the guests in attendance – District President Anne Lütkes, State Secretary for Economic Affairs Dr. Günther Horzetzky, CEO Jürgen Steinmetz from the Chambers of Industry and Commerce (IHK), Mayor Josef Heyes, and representatives from parties in the town council. The Schunk Group has invested a total of three million euros towards the new 3D printing process and necessary machinery at the Willich site.

**Complex geometries from loose powder**

The process begins by mixing powdered silicon carbide with a binding agent. Using CAD structural data, a 3D printer then models the desired component layer by layer. Sizes of 1.5 x 0.7 x 0.7 meters are possible here. Following special pretreatment, burning and finishing, the product is ready. The process is much faster and the amount of material used is less in comparison to conventional technology.

**Global market**

The new process is of interest to customers in a wide range of industries, and offers entirely new opportunities in industrial precision metrology and production technology. “We have already received customer inquiries from all over the world, and conducted a great deal of sampling,” says Heym. “Because of that, I can say that we are very satisfied with the response to our development.”

**Award-winning process**

Schunk Ingenieurkeramik’s innovation first caused a stir two years ago, with the company securing second place for its unprecedented process at the sixth research and innovation awards held by the Chamber of Industry and Commerce for the central Lower Rhine region (IHK Mittlerer Niederrhein).

(3.608 Zeichen inkl. Leerzeichen)

**Pictures:**

Inbetriebnahme 3D-Drucker.jpg: Anne Lütkes, President of the district of Düsseldorf, and Dr. Günther Horzetzky (4. f. r.), State Secretary in the Ministry for Economy of Northrhine-Westphalia, are impressed by the innovative technology.

IntrinSiC Wuerfel.jpg: IntrinSiC is the first product capable of manufacturing constructional elements made of the ceramic material silicon carbide, one of the hardest materials available.

Abdruck honorarfrei. Wir bitten um ein Belegexemplar.

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The Schunk Group is an internationally operating technology company with over 8,000 employees in 29 countries. The company offers a broad spectrum of products and services in the fields of carbon technology and ceramics, environment simulation and air conditioning technology, sintered metal and ultrasonic welding. Turnover of the Schunk Group was around €990m in 2014. The Schunk Group has bundled its expertise in the development, manufacture and application of carbon and ceramic solutions in the Schunk Carbon Technology Division.