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## Press Release

# Printed jewelry and engraving robots: Innovations at INHORGENTA MUNICH

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From February 22 to 25, 2019, Munich will stand at the center of the jewelry, timepieces and gemstones industry. INHORGENTA MUNICH will be attracting exhibitors and visitors from around the world. Once again, the international trade fair offers significant room for innovations. Engraving robots and printed jewelry are just some of these.

Next to pristine jewelry and the latest functions of smartwatches, people will also be able to see at INHORGENTA MUNICH 2019 how the jewelry, timepieces and gemstones industry is profiting from technological advances. In particular, Hall A2, Technology & Bijoux, offers visitors a wide spectrum of innovations with its more than 200 exhibitors. Aside from providers of store fixtures, security solutions and even trending jewelry, even workshops, refineries, techniques and electronic data processing will quickly become topics of conversation.

“In Hall A2, jewelers, watchmakers, goldsmiths and designers will gain valuable insights into how innovative technologies will permanently change processes and products – and which opportunities will arise as a result. What’s more, visitors will find everything they need at the trade fair to operate a successful business, day after day,” adds Mändlein, Exhibition Director of INHORGENTA MUNICH.

## A printer that produces gold, silver and platinum jewelry

3D printing has long established itself in many different industrial areas. The innovative high-tech production process has now even made its way into modern jewelry manufacturing and presents an ideal complement to traditional

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craftsmanship. It allows for delicate forms that even for the experienced goldsmith aren't easy to craft.

What until just a few years ago seemed like a fantasy is now a reality: gold, silver and platinum jewelry produced by a printer – with precision at hundredths of a millimeter. A digital draft is used as a basis as well as special alloys in powder form. Within the 3D printer, layer upon layer of delicate jewelry and timepiece parts are produced through a laser sintering process.

Heimerle + Meule is one of the manufacturers who will be presenting this process at INHORGENTA MUNICH 2019. Germany's oldest gold and silver refinery, they offer "direct precious metal 3D printing" through their subsidiary Cooksongold. This innovative technology allows prefabricated parts to be manufactured through to final treatment on the basis of three-dimensional CAD files and by using a highly developed powder made of precious metals.

### **Robots to take over the engraving process**

The company Gebrüder Boley GmbH & Co. KG, one of the leading providers of technology for jewelry and timepieces, will be bringing – aside from innovative testing devices and modular and expandable clock- and goldsmithing tables – an engraving robot. These computer-guided engraving machines accomplish their tasks with exceptional precision and speed.

"INHORGENTA MUNICH is one of the few trade fairs in Europe that puts a focus on clock- and goldsmithing techniques, in addition to innovative technologies. This is particularly significant for owner-operated specialist shops, since today a well-run workshop is an important characteristic that sets them apart from pure online business," says Michael Lutz, partner in the company.

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## **About INHORGENTA MUNICH**

INHORGENTA MUNICH, the international trade fair for watches, jewelry and gemstones is the order and communication platform for the industry and reflects the market in all its diversity. Spread over six halls at Messe München, exhibitors from across the globe will present their latest creations. Through its extensive supporting program, comprising the Jewelry Shows, the INHORGENTA FORUM and the INHORGENTA AWARD, the trade fair offers an in-depth overview of international trends and developments. In 2018, the trade fair brought 1,026 exhibitors from 42 countries and more than 27,000 visitors from 70 countries to Munich. The next INHORGENTA MUNICH will be held from February 22 to 26, 2019.

## **Messe München**

Messe München is one of the world's leading trade-show companies. It organizes more than 50 own trade shows for capital and consumer goods and key high-tech industries. Each year, a total of more than 50,000 exhibitors and some three million visitors take part in more than 200 events held at the Messe München trade-fair center, the ICM – Internationales Congress Center München, the MOC Veranstaltungszentrum München as well as abroad. Jointly with its subsidiaries, Messe München organizes trade shows in China, India, Brazil, Russia, Turkey, South Africa, Nigeria, Vietnam and Iran. Messe München has a global business presence with a network of affiliates in Europe, Asia, Africa and South America as well as some 70 foreign representatives serving more than 100 countries.