

## Press Release

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### **Refreshingly different, refreshingly innovative**

**During IFA 2018, the E.G.O.-Group (E.G.O.) is presenting new, pioneering technologies for cooking, baking, washing and dishwashing in the Orangery of Charlottenburg Palace in Berlin.**

Berlin - Where once Prussian prince electors and kings held fabulous parties and hundreds of orange, bitter orange and lemon trees spent the winter, the domestic appliance industry supplier from Oberderdingen is presenting its product innovations to its customers this year. The historic atmosphere of the Orangery in the Berlin palace creates an attractive contrast to the pioneering solutions from E.G.O. "The distinctive flair of the Orangery is also a special experience for our guests. They can join us away from the hustle and bustle of the IFA trade fair to find out about our product innovations. This arrangement has been well received by our customers in previous years – we have always had a very positive response", explains Wolfgang Bauer, CSO of the E.G.O.-Group. At this year's innovation event, the high-tech company is unveiling plenty of new products under the motto "Refreshingly different". In the HOT division, which brings together the cooking and baking product portfolio, E.G.O. is presenting innovations in the area of induction cooking and thick film technology in particular. When it comes to solutions for washing and dishwashing (E.G.O. refers to this product area as WET), developments based on thick film technology and virtual sensors are also in the foreground.

#### **EGO Area Cooking: New standards for inductive area stovetops**

The future flagship of the induction portfolio from E.G.O. facilitates inductive area cooking. From now on, cooks will be able to use up to six pots simultaneously in any position on stovetops with installation dimensions of 60 to 90 cm. The conventional cooking zone with a fixed area is a thing of the past in EGO Area Cooking. Numerous sensors not only ensure precise heating control, they also detect where the pots are on the surface as a whole. The size of the cookware does not affect this: the stovetop detects pot size and position automatically. If a pot changes position, the stovetop moves the heat settings with it. Various keep-warm functions and the MagiC functions developed by E.G.O. to assist the cook offer added value. EGO Area Cooking will be available with two different types of control: a full color TFT touch display (Lumio TC) or a dynamic slider control (VArio TC). Lumio TC offers

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intuitive operation and maximum flexibility for customer-specific designs. VArio TC control, on the other hand, is smaller and thus leaves more space for a cooking surface of maximum size.

### **EGO Basic 4: High-end technology becomes affordable**

With the new model in the EGO Basic series, the company is offering high-end induction systems in the mid-range price segment for the first time. This is made possible by a cycle that has been optimized in comparison to the current parallel resonant circuit technology. EGO Basic 4 provides flexibility, can be adapted to customer requirements and is already available as a product. But the company is also working on other variants at the moment. Basic 4 will therefore soon be available as a mixed stovetop - a combination of induction and radiant heating element zones. In addition, the company is planning a design with EGO WAVE Touch TC, which would be the first Basic induction solution with a touch display for the mid-range price segment. E.G.O. is also developing a product variant that connects to intelligent, sensor-controlled cookware and offers cooking zone lighting.

### **EGO Micanite Thick Film Technology: One step ahead of the competition**

E.G.O. has submitted a patent application for its new heating technology based on thick film technology with Micanite as the carrier material. Through cooperation with its Canadian partner Datec, E.G.O. can print the heating element over entire surfaces. Instead of individual heating plates, the heating elements can be produced to cover any surfaces and adapted precisely to the product-specific space and performance requirements. Micanite thick film technology thus allows precise and even heating of large surfaces. Installation and production are easy. Manufacturers can install the heating technology in combination with various coverings, such as glass ceramic or metal.

At the same time, E.G.O. is already working on other applications for the new technology. Large keep-warm zones are being planned for a variant of the BASIC 4 induction hob, for example. A second application allows specific use of the heating elements to make the traditional Ethiopian bread Injera. This replaces preparation over an open fire. The Teppan Yaki grill uses the new technology to provide large grill zones and even heat distribution.

### **EGO Thick Film Steam Generator: Steam cooking in a small space**

Steam ovens combine steam and heat as cooking methods in one appliance. They can be used either in combination or separately. End customers

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like the appliances because they save space and combine the benefits of two appliances in one. The Oberderdingen-based company has spotted this trend and is currently working on a thick film steam generator for ovens. It will be possible to install this easily and flexibly into existing oven designs. Thick film technology is particularly suitable for steam ovens because it generates constant steam in a very small area and even delivers higher steam emission than in conventional steam cooking systems. The steam is also drier and is created more quickly. Thanks to thick film technology, users can easily adjust and control the release of steam and the temperature. The low thermal mass makes the multi-function device very energy-efficient.

### **EGO TF+ Thick Film Heating Element: New standard for dishwasher heating**

With the new TF+ thick film heating element, E.G.O. is improving dishwasher heating significantly while ensuring energy efficiency. The thick film technology improves the heating performance by around 14 percent. This cuts electricity costs. The thick film heating element has an improved inner coating and uses all of the available surface area of the heating element so that the heat is distributed faster and better. The company is now combining unique heating surface efficiency with the largest thick film heating power for motor heating pumps, thereby giving it the edge over the competition. E.G.O. has also made the heating system more robust. The TF+ EGO thick film heating element is still in the project phase at the moment.

### **EGO Smart Spinning: Sustainable and efficient washing machine technology**

E.G.O. has developed additional functions for the washing process with improved microcontrollers. The virtual sensor of the EGO Phoenix 8R inverter measures the weight of the load and determines precisely how much laundry is in the washing machine so that the washing time can be optimized. Moreover, the spinning speed no longer depends on the washing program selected, but on the actual amount of laundry. As traditional washing programs always assume that there is a maximum load, adjusting the spinning speed and duration saves a significant amount of energy and time, and reduces the load on the machine, thereby extending its service life. Washing machine manufacturers also benefit from the more efficient EGO Smart Spinning technology. They incur fewer costs: the main controller determines the washing cycles itself by means of virtual sensors, so that other sensors are no longer required.

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### **EGO Smart Filling: Sensor signals used intelligently**

With EGO Smart Filling, the water intake process is becoming intelligent. The electronic control detects the optimal amount of water required by the dishwasher by means of virtual sensors and the signals from the EGO motor heating pump. This means that no additional sensors have to be installed. Manufacturers can thus simplify the complexity of the control systems, reduce susceptibility to faults and cut costs.

### **EGO Impulse Flushing: Clean dishes with minimal consumption**

With EGO Impulse Flushing, the household appliance industry supplier is presenting a rinsing mode that saves resources effectively. This is made possible by an improved rinsing process with a new mode for the motor heating pump and the control: the water pressure in the spray arm varies in intensity. An adapted water control system reduces the amount of water. Less water leads to lower energy consumption for heating and shortens the dishwashing programs. In comparison to conventional solutions, this saves water because only the amount of water actually required to clean the tableware comes out of the spray arm.

### **EGO Inductive Heat Dryer: Research into revolutionary drying system**

E.G.O. is also working on a new heating system for laundry dryers, which is based on induction technology: the appliance heating used until now is replaced by a ferromagnetic fan, a coil and a generator. As a result of the induction principle, only the ferromagnetic metal heats up, making the heating phase very short. The temperature can thus be controlled and monitored precisely. Because of the saving on the existing heating system, new airflow concepts are possible, which means that a larger dryer drum can be installed. The appliance also works significantly more quietly than conventional machines, which is particularly good news for users.

### **EGO Connectivity Solutions: Big data for customers and manufacturers**

With EGO Connectivity Solutions, E.G.O. has presented a succession of new solutions for networking kitchen appliances over a number of years. Now the company is extending its range to include new cloud solutions and software modes for data collection, analysis and presentation. As a result, appliance manufacturers can use data generated in operation more easily – for production and quality tracking, for example, for predictive maintenance, site services or information about the life cycle of the product. This pioneering technology will be integrated into all new products in future.

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### About the E.G.O.-Group

The E.G.O.-Group consists of 18 sales and production companies in 16 countries. In 2017, the group generated sales of around EUR 609 million and employed almost 6,000 employees. The company, which has its headquarters in Oberderdingen in Baden-Wuerttemberg, Germany, is considered one of the world's leading suppliers to manufacturers of household appliances. Karl Fischer, the company founder, developed the first electric hotplate suitable for series production more than 80 years ago. Today, the company produces all of the heating and control elements that are needed for cooking and baking, washing and drying laundry, and washing dishes. E.G.O. also supplies parts, systems and technologies for the food service and professional laundry sectors, as well as sophisticated parts for the medical equipment and building services sectors and the automobile industry. More information can be found on the website [www.egoproducts.com](http://www.egoproducts.com)

Photos: E.G.O.



Caption: EGO Area Vario TC

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**Caption: EGO steamer unit for baking oven**



**Caption: EGO Basic 4 Induction**



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