Okamoto grinding days 2025

Pioneering grinding technology for key industries

What will the production of the future look like? Where is the journey heading in terms of high-precision grinding in component manufacturing in key industries? What do the latest Okamoto grinding technologies look like for these future grinding and production challenges? The grinding machine manufacturer Okamoto Machine Tool Europe GmbH provided informative answers to these questions during Grinding Days 2025 at the company's European headquarters in Langen, Hesse in Germany. For two days, trade visitors were given exclusive insights into the future of high-precision machining, including live demonstrations and expert lectures.

The grinding machine manufacturer Okamoto has now found a good start to the critical phase of EMO preparation with the Grinding Days 2025. Atsushi Kobayashi was able to welcome a large circle of interested trade visitors to the two days. Day 1 was held in English and day 2 in German and the days included an informative mix of top-class lectures and live demonstrations of the latest Okamoto grinding technology for many different applications.

Thomas Loscher, technical manager at Okamoto says: "Especially in times of difficult conditions in many areas, we as a technology supplier to key industries are challenged to enable our business partners to achieve sustainable but at the same time profitable high-precision production with modern grinding technology. One challenge, for example, is efficient production in times of a shortage of skilled workers. This is where we come in, among other things, with automation solutions. Another approach is our intelligent control technology 'iQ', which enables even unskilled employees to program even complex grinding processes."

One example is the rotary table surface grinding machines of the PRG series, which Okamoto has now equipped with "iQ". With them, manufacturers in various industries have access to grinding technology with which they can quickly and economically achieve the required flatness down to the µm range.

The rotary table grinding machines in gantry design are specially designed for the single-sided machining of e.g. rings, ball bearings and other device components with high demands on surface quality. The round magnetic clamping table moves the workpiece in a circle and the lateral feed or transverse movement is carried out with the appropriate grinding tool. Depending on the programming of the grinding cycles, the PRG can be used to grind under variable table speeds with a constant cutting speed of the grinding tool.

Thanks to the "iQ" control, the user can adjust all grinding positions at any time using the teach-in function via a touch screen with dialogue guidance, even during operation. Programming even complicated grinding processes no longer requires in-depth knowledge of grinding technology. Among other things, this shortens the programming and training times of employees and processes are automated.

The PRG6 rotary table grinding machine with "iQ" control technology.

Another example of a unique grinding technology "performance package" that

Atsushi Kobayashi, managing director of Okamoto Machine Tool Europe GmbH (right) and Thomas Loscher, technical manager at Okamoto (left) were very satisfied with the course of the Okamoto Grinding Days 2025.

component manufacturers can use to make their production more productive and at the same time more sustainable is the Okamoto IGM 15 NCIII-2B Boxer type internal grinder. It is an extremely robust, high-performance internal grinding machine with two spindles that can move independently of each other. In addition to the standard software with a 10-stage grinding program, the software supports cone and contour grinding with parallel 2-axis control.

In addition to the machine exhibition in the Application Centre, other premium technology suppliers and cooperation partners presented themselves: NORITAKE grinding wheels, SAV clamping solutions, MST Cooperation and WBA Aachen.

Atsushi Kobayashi says: "The need for high-performance grinding solutions continues to grow as technology advances. Speed, cost-effectiveness, sustainability and efficiency are the decisive factors in which no component manufacturer can afford to make compromises. This is where grinding machine manufacturers like Okamoto come in, who succeed in continuously optimising their products in order to more than meet the increasing demands in the future. Against this background, our Grinding Days were a great success. We were able to present ourselves as an innovative grinding machine manufacturer and modern service provider with high service quality."

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