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INDEX Open House 2020

**All eyes on automation**

**When visitors attend INDEX’s Open House event in Reichenbach/Fils from April 21 to 24, 2020, not only will they experience the latest in machine technology, but also a clear vision of the future of efficient metalworking. The program of live machining and presentations will focus on efficient automation solutions and the constantly growing possibilities offered by “iXworld”, the digital INDEX world.**

There’s no doubt that the machines will take center stage at the INDEX Open House 2020 – among them a number of new developments that form the basis for highly productive manufacturing. The TRAUB TNL12, a new sliding headstock automatic lathe that can be easily converted into a fixed variant, will be showcased at the event. Compared to its predecessor model, it features a more compact design and improved kinematics, the ideal prerequisites for significant productivity increases for small, high-precision turned parts.

**New machines**

Another highlight is the new INDEX MS32-6 CNC multi-spindle automatic lathe, ideal for the production of high-precision turned parts from bar stock with a diameter of up to 32 millimeters. Thanks to a flexible machine concept, the CNC multi-spindle machine can also be configured to make it a serious competitor to cam-controlled multi-spindle lathes for simple turned parts.

The INDEX C200 Tandem will also be on display for the first time at an INDEX Open House. Equipped with 52-mm, double-spindle clearance on the main and counter spindles, the horizontal turning machine can double production capacity without increasing space, energy, or manpower requirements.

In addition, the quartet of new CNC universal lathes is now complete: alongside the INDEX B400 and B500 and the TRAUB TNA400, the TNA500 is now available. The main difference from the TNA400 is the larger spindles (A11/A8), which provide around 40% more power and torque.

**Integral automation**

But where would modern machine technology be today without the right automation solution? INDEX is meeting growing demand with various solutions, ranging from simple workpiece removal devices integrated in the machines to sophisticated external robot solutions. At the Open House event, one third of all the machines are equipped with an INDEX iXcenter robot cell. In addition to the small and medium-sized iXcenter automation solutions for the INDEX C100/C200 and G200, the iXcenter modular system designed for the large G-series turn-mill centers is attracting particular attention and will be presented on the new G400. The system consists of a robot booth placed in front of the machine, to which different modules can be docked from two sides, including pallet/rack modules, measuring/testing stations, equipment for deburring, cleaning or laser marking, and much more.

**Digitization and Industry 4.0**

With its cloud-based iXworld platform, INDEX is clearly demonstrating that digitization is not just an easily marketable fad, but rather is fundamentally important to ensuring high productivity. The available range of products and services continues to grow rapidly. iX4.0 is the INDEX IoT platform that enables all production machines to be integrated in the digital world. At the heart of all iX4.0 apps: customer benefit. And at the Open House, digitization experts will be showing how users can benefit from the new possibilities on offer. Incidentally, the free introductory offer “iX4.0 go” launched a few months ago and gives manufacturers the opportunity to find out more for themselves – 150 users have already taken advantage of this offer.

**Further highlights**

In addition to the exhibition of INDEX and TRAUB machines – which will be accompanied by 35 partner companies – there will be a program of presentations to discuss important technology topics in detail and address practical questions regarding automation, digitization, procurement, refits, and more. After all, INDEX sees itself as a solution provider that not only supplies machines, but also supports its customers with a wide range of services covering all aspects of the machining process.

One particular highlight is aimed at customers from the medical technology and aerospace industries. In the Medical and Aerospace Lounge, experts from INDEX Industry Management will be available to discuss specific tasks and machining solutions.

Similarly to last year, INDEX is expecting 2,500 visitors at this year’s OPEN House event, with about one third of them coming from abroad.

Registration for the INDEX Group Open House event in Reichenbach and further information can be found at [www.index-traub.com/openhouse](http://www.index-traub.com/openhouse).

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**Photos:**



Fig. 1: Significant increases in productivity for small high-precision turned parts with the new TRAUB TNL12 sliding and fixed headstock automatic lathe



Fig. 2: The new TRAUB TNA500 universal lathe for precise and powerful machining



Fig. 3: The INDEX G400 turn-mill center with iXcenter robot cell for high-performance machining of large workpieces

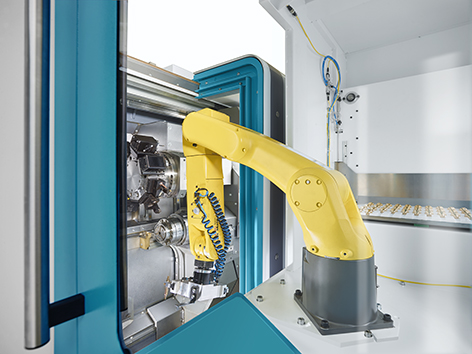


Fig. 4: Intelligent automation with the iXcenter robot cell – a focal point at the Open House 2020.



Fig. 5: INDEX is expecting 2,500 visitors at the Open House in Reichenbach, with about one third of them coming from abroad.