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INDEX at AMB 2024 (Hall 4, 4C30)

Future-Proof Machining Solutions

**The world of metalworking is undergoing significant changes. Industries such as automotive, medical technology, and mechanical engineering are presenting new challenges that many manufacturers need to address. At AMB 2024, INDEX will showcase manufacturing solutions tailored to meet these evolving demands. Visitors to our booth in Hall 4, 4C30, will discover how the latest turn-mill centers, multi-spindle machines, and production lathes can enhance competitiveness. Learn how automation and technology integration can boost productivity and see how the INDEX iXworld cloud platform can simplify many processes.**

Always on trend: complete machining with powerful turn-mill centers. INDEX continues to excite with its advanced G-Series. At AMB, two new models will demonstrate how INDEX has further adapted its offerings to meet customer needs: On the **INDEX G200.3**, the previously rigid upper turret now features a pivoting Y/B axis, ideal for angled drilling and milling operations. Another new highlight: the **INDEX G320 compact.** Equipped with a 102 mm main spindle, this turn-mill center has the footprint of a G220.3 but is nearly as powerful as the regular G320 – and saves a great deal of space, resources, and costs. Both machines will be showcased in their long versions with 1,200 mm turning lengths for the first time at the show.

Another INDEX turn-mill center will also be featured at AMB: an **INDEX G220**, which can be seen at the Paul Horn booth in Hall 1, 1I10. The two companies are linked by a technology partnership aimed at improving processes for high-speed whirling, hobbing, bevel gear cutting, groove turning, and polygon turning.

**Focus on Productivity**

The INDEX multi-spindle automatic lathes are true marvels of productivity. While their importance in the automotive industry has somewhat declined, they are increasingly gaining ground in other markets. At AMB 2024, the Esslingen-based lathe manufacturer will unveil its newly developed **INDEX MS24-8** to a wide audience for the first time. This multi-spindle machine offers a 24 mm bar clearance and features eight main spindles, up to two hydraulically locked and extremely fast swiveling synchronous spindles, and up to 16 tool carriers, showcasing unparalleled versatility. Whether it’s complex parts or different processes like polygon turning and thread cutting – anything is possible. The INDEX MS24-8 will demonstrate this live on a technology component, proving its suitability for industries such as medical technology, jewelry and watchmaking, mobile hydraulics, sanitary fittings, and contract manufacturing with a broad production spectrum.

Ideal for compact production spaces is the **TRAUB TNL32 compact** Swiss/fixed headstock automatic lathe, which combines the small footprint of the TRAUB TNL20 with a bar clearance of 32 mm. The **TRAUB TNL12** has also been equipped with new features, allowing it to be easily converted from a Swiss to a fixed headstock lathe, just like its larger siblings.

Highly productive bar stock machining is a hallmark of the **INDEX C200** and **INDEX ABC** automatic lathes, available with both Siemens and Fanuc controls. At AMB, the C200 will be showcased in the Fanuc variant, while an ABC with Siemens 840D sl control will also be on display. The C200 comes from the **INDEX** **Refit** program, where it was completely overhauled mechanically and electrically by reprocessing specialists after over ten years in production. The highlight of this service was the control upgrade from a Siemens 840D PowerLine to SolutionLine, making the machine even more powerful than in its original delivery condition.

Additionally, INDEX will present an INDEX C100 production lathe for the SONDERSCHAU JUGEND fair organized by the Youth Foundation of Mechanical Engineering. At booth 010, Entrance East, this machine will be used to manufacture rims for a Formula 1 model car.

**Partners and Valuable Information**

Back to the INDEX booth: Joining us will be Makino, a Japanese premium machine tool manufacturer with whom INDEX has a global sales cooperation. The partnership extends beyond sales, demonstrated by the exhibited **Makino a40 SE horizontal 5-axis machining center**, automated by INDEX with its **iXcenter L robot cell**.

Also present will be INDEX’s partner company **One Click Metal**, which offers additive manufacturing solutions. Their team of around 20 employees develops comprehensive 3D metal printing solutions for small to medium-sized components.

In addition, the Meet-the-Experts counter will invite visitors to discuss machining solutions for the medical, aerospace, and e-mobility sectors with **INDEX application and technology specialists**.

Last but not least, INDEX digital specialists will explain the practical benefits of the digital **INDEX iXworld**. They will present numerous iX4.0 apps, demonstrating how the iX4.0 IoT platform ensures transparency and productivity throughout the entire machining process chain. Also, they will show how efficiently the iXshop can be used for the procurement of spare parts and other tools, as well as the advantages of iXservices in after-sales service.

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**Images**