Press release on the INDEX G320 compact, dated 09/09/2024

Reduced footprint, lower costs

**With the new G320 compact turn-mill center, INDEX has succeeded in saving space, resources, and costs. Equipped with a 102 mm main spindle, the turn-mill center requires the same floor space as a G220.3 but is nearly as powerful as the standard INDEX G320.**

INDEX turn-mill centers are successful because they typically come with a milling spindle that allows for the complete machining of complex parts. They are also perfect for integrating additional technologies such as gear cutting, grinding, or measuring. This also holds true for the INDEX G320, a machine that the lathe manufacturer from Esslingen completely redesigned and launched in 2021.

At AMB 2024, INDEX showcases the G320 compact, an enhanced version where developers have managed to increase power density compared to the “standard” G320. The G320 compact is based on the machine bed of a G220.3, resulting in a smaller footprint. However, thanks to its main spindle with a clearance of 120 mm, the turn-mill center can cover an application range almost equivalent to a standard G320. The work area is somewhat smaller but still ample for accommodating the larger spindle with minor adjustments.

For the counter spindle, customers can choose between diameters of 76 mm and 90 mm. The milling spindle is limited to the HSK63 configuration, and the lower turrets each offer twelve positions with a VDI30 interface.

Ralf Stark, INDEX Project Manager for new developments in turning and milling machines, summarizes the benefits: “With the compact version, the customer gets nearly the full functionality of a G320, but with a smaller footprint. With fewer moving masses, it’s also more dynamic and energy-efficient, requires fewer resources, and is more cost-effective.”

BOX

**Key features of the INDEX G320 compact:**

* Smart work area solution for turning lengths of up to 1200 mm
* Main spindle with 102 mm spindle clearance
* Counter spindle with 76 or 90 mm spindle clearance
* Max. chuck diameter 260 mm
* Powerful motorized milling spindle (HSK63) with Y/B quill kinematics
* Two lower tool carriers, each with 12 stations VDI30
* High thermal and mechanical stability
* Second setup station for the tool magazine
* Wide range of automation options

**INDEX** will be presenting the G320 turn-mill center **at** **AMB 2024 (hall 4 booth C30)** in its long version, featuring a turning length of 1200 mm.

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**Images (source: INDEX)**

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The INDEX G320 compact turn-mill center is designed for flexible and productive complete machining. Equipped with a 102 mm main spindle, it operates on the same footprint as a G220.3 and offers performance comparable to the standard G320—all while saving a great deal of space, resources, and costs.