**New horizons for advanced robotics at automatica 2023:**

**The HEIDENHAIN KCI 120 D*plus* inductive dual encoder**

Discover a single device that provides position feedback from both the motor shaft and gearbox output shaft of a robot joint: the HEIDENHAIN KCI 120 D*plus* dual encoder. Using robust inductive scanning technology, the encoder’s scanning head reads two separate circular scales for dual feedback. By measuring the gearbox output shaft, the KCI 120 D*plus* can counteract design-induced inaccuracy on highly articulated and dynamic robots.

To ensure compatibility with as many applications as possible, the dual encoder comes in three variants featuring different hollow-shaft sizes and mounting dimensions for the scanning unit and two disk/hub assemblies. All three versions of the KCI 120 D*plus* are compact, easy to integrate and equal in functionality.

The innovative KCI 120 D*plus* widens the horizon of robot applications, making even high-accuracy machining tasks possible. And thanks to its EnDat 2.2 serial data interface, which is designed for functional safety, this dual encoder also thrives in safety-critical applications such as cobots.

**Visit HEIDENHAIN at automatica 2023 in Munich: Hall B6, Booth 303**

***For more information, see:***

[robotics.heidenhain.com](https://news.heidenhain.com/automation)

[www.heidenhain.de](http://www.heidenhain.com)

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|  | *Available in three variants, the HEIDENHAIN KCI 120 Dplus dual encoder provides position feedback from both the motor shaft and gearbox output side of a robot joint, making it ideal for advanced robotics applications.* |