

PICTURES

From Sylke Becker
Phone +49 69 756081-33
E-Mail s.becker@vdw.de

Complete machining – for greater sustainability

Experience practical demonstrations of novel process combinations at EMO Hannover 2023



((01 HORN Geschäftsführer Markus Horn EMO Hannover 2023.jpg))
Markus Horn, Managing Director of Paul Horn GmbH in Tübingen: "We will be showcasing numerous innovations, solutions, applications and processes at EMO 2023 in Hannover."

Photo: Horn/Sauermann

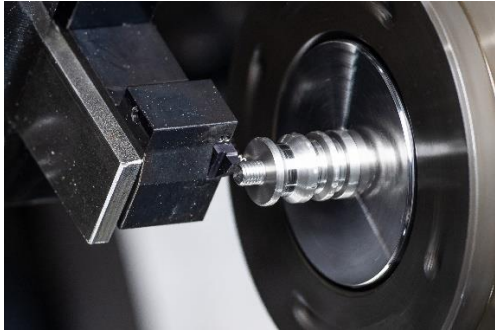


((02 HORN Schlitzfräsen EMO Hannover 2023.jpg))
Slot milling of the thin-walled blade of a "tick stick" using a circular milling cutter from Horn.

Photo: Horn/Sauermann

Innovate Manufacturing.

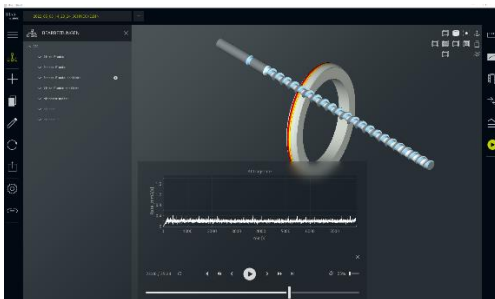
www.emo-hannover.de



**((03 HORN Drehen eines Außengewin-
des EMO Hannover 2023.jpg))**

Turning the external thread of a nozzle.

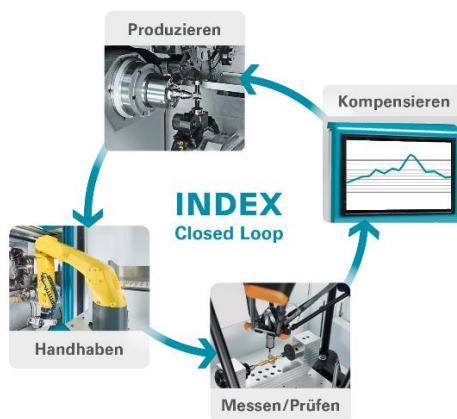
Photo: Horn/Sauermann



**((04 HAAS styx_client EMO Hannover
2023.png))**

Digital pre-grinding of complex workpieces.

Photo: Adelbert Haas GmbH



**((05 INDEX Closed Loop EMO Hannover
2023.png))**

Based on a controlled sequence instead of static process control and manual corrections, the highly impressive Index closed loop helps achieve compliance with tolerances.

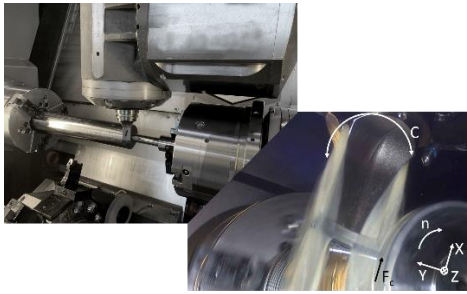
Photo: Index-Werke GmbH & Co. KG, Hahn & Tessky



((06 INDEX Closed Loop Prüfgerät EMO Hannover 2023.jpg))

Automation based on in-process metrology merely requires a test facility, appropriate measurement software and a closed loop interface.

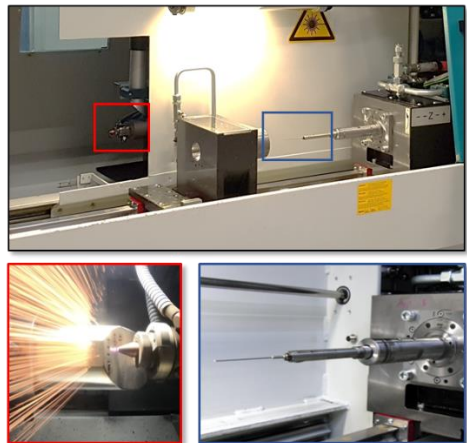
Photo: Index-Werke GmbH & Co. KG, Hahn & Tessky



((07 BIERMANN Hydrodynamisches Drehverfahren EMO Hannover 2023.png))

Use of a high dynamic turning process on a turn-mill center.

Photo: TU Dortmund University Institute of Machining Technology (ISF)



((08 BIERMANN Laser- und Einflurpentiefbohren EMO Hannover 2023.png))

Laser and single-flute deep drilling as a combined process for complex component geometries.

Photo: TU Dortmund University Institute of Machining Technology (ISF)