PRESS RELEASE

KELCH QR – Smart Factory set-up for SMEs

Transmission of process-reliable data

Minimum time and cost outlay

Weinstadt, 20 March 2019 – KELCH, the system supplier, is launching KELCH QR: a cost-effective solution enabling companies to comply with Industry 4.0 level Smart Factory standards without major expenditure. The solution is of particular interest to companies that do not wish to introduce a complete tool management system nor install cost-intensive RFID processes. Under the auspices of Industry 4.0, these companies are primarily interested in making processes more reliable and more efficient. KELCH QR improves process reliability and tool identification, but keeps costs down.

"KELCH QR is a solution for end-to-end, process-reliable tool identification, which simultaneously transmits tool data to the machine tool. Our solution can be easily and immediately integrated into the existing system landscape within a few hours. Companies can retain their existing tool numbering structures, as well as their existing machine controls," explains Viktor Grauer (B. Eng), member of the Executive Board and Head of Innovation Management at KELCH.

QR code: efficiency in a proven environment

KELCH QR serves as a tool identification instrument and provides process-reliable data transmission – and does so on several process levels. Overall, KELCH QR delivers the following results:

- Tool identification at any time without the need for additional auxiliary equipment
- Generation of the QR code using available printers
- Process-reliable data transmission without input errors using commercially available scanners
- Greater convenience and time savings: scanning instead of typing
- Independent of the machine and control
- Minimal cost
- No costly adaptation or retrofitting required

Success in three simple steps

Step 1: A simple QR code affixed to the tool holder only contains the unique identification number of the complete tool. It is read by a hand-held scanner and the setting process can start fully automatically.

Step 2: The measured values of the tool and all machine control-related information are printed on a label encrypted as a QR code. The tool data is also written in plain text on the label. It can therefore by identified at any time, even without the need of a scanner.

Step 3: The label is conveniently read by a hand-held scanner on the machine control. A portable module enables all data to be automatically inputted into the control. Input errors are completely eliminated. The system is fully independent of the control as the input can be simulated in every controller and executed by the add-on module. The only prerequisite is an open USB connection on the control.

Kelch GmbH · Werkstr. 30 · 71384 Weinstadt · Phone: +49 (0) 71 51 / 2 05 22-0 · Fax: +49 (0) 71 51 / 2 05 22-11 · info@kelchgmbh.de · www.kelch.de
Managing Director: Dipl.-Betriebswirt Frank Wildbrett · HRB 733 476 Stuttgart · Ust.-IdNr.: DE269897911 · St.-Nr.: 90493 / 40070
UniCredit Bank AG Stuttgart · SWIFT-Adresse: HYVEDEMM473 · IBAN: DE14 6002 0290 0015 9347 86
VR-Bank Ostalb eG · SWIFT-Adresse: GENO DES1AAV · IBAN: DE34 6149 0150 1112 4600 04

PRESS RELEASE

KELCH QR is flexible and can therefore be used on multiple machines. The system is suitable for use with all tool presetters using Easy software from version 7 onwards and kOne software.

2,883 characters (including spaces)
Kindly send us a copy or relevant link in the event of publication.

Kelch GmbH, based in Weinstadt near Stuttgart, offers peripherals and services for manufacturers and users of machine tools for cutting processes. With over 100 employees, the company generates annual revenue of approx. €13 million. As a 100%-owned subsidiary of Harbin Measuring & Cutting Tool Group Co., Ltd. (HMCT), Harbin/China, Kelch belongs to China General Technology (Group) Holding Co., Ltd. (Genertec), Beijing. Genertec is represented in 100 countries worldwide, with 45,000 employees in 51 companies. Kelch GmbH acts as the technology centre for the international business group in Europe. Kelch develops, manufactures and markets tool holders, cleaning devices, shrinking devices, presetters, as well as measuring machines, and also offers tool management services.

More information at http://www.kelch.de .

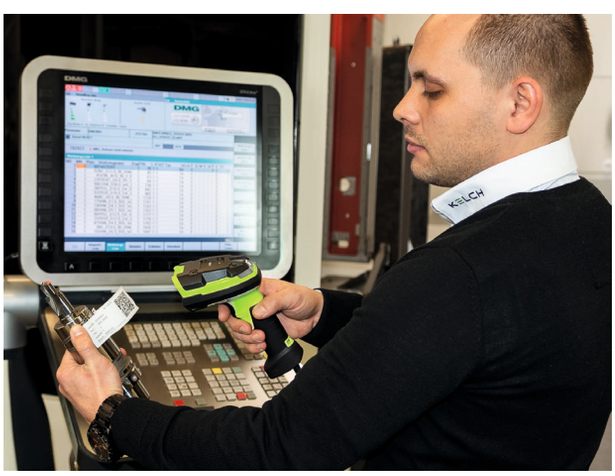

Image material:
KELCH_Image1.jpg
KELCH_Image2.jpg

Image caption:
Image 2: The setting process starts automatically once the code has been read.
Images 4: Data transmission to the machine: KELCH QR is flexible and can be used on multiple machines.

Press contact:
Daniela Opatz
Phone: +49 7151 2052224
E-mail: daniela.opatz@kelchgmbh.de