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EXTRA EDM Europe Supplement

Moving past micro-EDM
boundaries

Page 37

CHETO

CHETO



CHETO

Drilling automation

Page 19

ETMM



World of Tooling

The strengths and
weaknesses of Slovenia.

Page 16

EMO 2019

A selection of exhibitors with
a hallplan of the fair

Page 20

Not a small challenge

Miniature cutting tools for
the dental and medical sector

Page 62

Drilling automation

Tools for a production process without the need to change in between. Software designed to save time and therefore money while increasing efficiency — These are just two of the products Cheto has to offer. The company will also be exhibiting at this year's EMO in Hanover.

Cheto is a deep-hole drilling and milling machine manufacturer. The company will be present at this year's EMO and display their machines to visitors of the trade fair.

Cheto mainly develops for the mould and die industry. They strive, so the company says, to add value to the production process with their products. Since mould production can quickly turn into a very complex process, Cheto aims to support its customers in decreasing production costs while increasing accuracy.

Drilling can take a rather long time, depending on the tools and machines at work. Cheto has developed new machines that seek to change this. The feed rates have been increased with the purpose of saving time for the overall production process. Cheto's product range is set to support customers in lowering production costs while aiming to increase efficiency in the entire process. This has an added benefit for the delivery time.

Automatic gun drill toolchanger

Last year, Cheto launched a patent-pending tool-changer for gun drills. With it, Cheto has enabled automatic switching between drilling and milling for their machines. This is another step towards automated production. Customers can place the workpiece on the table and equip the drilling tools. The ATC allows for up to 250 tools to be equipped. Up to five gun drills can also be equipped. Then, the machine can mill and drill without the need of an operator changing from one mode to the other, allowing for an automated drilling/milling process.

Wise Active Control

The patent-pending software developed by Cheto covers a range of control options: torque, feed, coolant pressure and flow as well as vibration. Just like other Cheto products, the software aims for efficiency and cost-savings.

The software scans and evaluates the processes. It then identifies intersections and variations and automatically adjusts the drilling parameters. In doing so, the software allows for a continuous production process while protecting tool life. This way, time-savings can be achieved, according to the company.

Not your ordinary CNC

Cheto was established in 2009 with the task of creating a prototype for a multitasking machining centre. The core of the project was composed of a

team with both parts manufacturing expertise and scientific knowledge. Within this group, a total of 30 years of mould-making experience was concentrated. This core idea of sticking as close as possible to market demands, while delivering optimised processes with machines that perform several operations at once, has been a hallmark of the company to this day.

Cheto is an international supplier of deep-hole drilling machines that strives to meet increasing market demands at all times. Their machines were being sold on four continents at the time of writing. They are constantly aiming to innovate and improve their own products for their customers.

cheto.eu, Hall 15, Booth C20

With an automatic changer for the gun drill, Cheto delivers another piece of the automation puzzle.

Source: Paulo Carvalho

