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PRODUCTION ENGINEERING SOLUTIONS



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SUBCONTRACTING SOLUTIONS

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Now a star performer

Arno Werkzeuge has released a new AWL direct mount for Star Swiss type turning machines.

The toolholder system for turning or grooving tools has an integrated adjustable high-pressure coolant supply of up to 130 bar.

When combined with the AFC quick-change system, users can increase productivity for Swiss type machines since the system significantly cuts set-up and non-productive times.

"After Citizen, our new AWL direct mounts are now available for CNC Swiss type machines from Star Micronics," says Werner Meditz, head of technology at Arno Werkzeuge.

The AWL toolholder system is available for the Star machine series SR 20R II, III and IV with immediate effect. The system has two separate cooling channels which can be selectively opened or closed and the

various connection options make it adaptable to several machine types.

Depending on the machine and execution, the AWL direct mount can accommodate two to six tools. Each chamber has an integrated coolant supply to allow the simultaneous use of several tools, whether they have internal cooling or not.

Since the direct mount is designed with integrated cooling, it dispenses with the time-consuming connection of external and cost-intensive tubes. In addition, there are no interfering contours inside the machine. Users can operate with targeted high-pressure cooling pressures up to 130 bar and stable wedged clamping of holders during machining operations to achieve longer tool life by over 25%.

It now takes only a few steps to remove and fit the tools. When turned, an integrated counter nut raises the

wedge slightly to permit quick and easy tool removal and fitting.

Mr Meditz explains: "The tool system allows fast, simple tool changes with high precision and high process reliability. The direct mount can also hold the tools of other manufacturers. The freedom of tool choice is one of the greatest benefits of our AWL direct mount since users are not forced to depend on only one system."

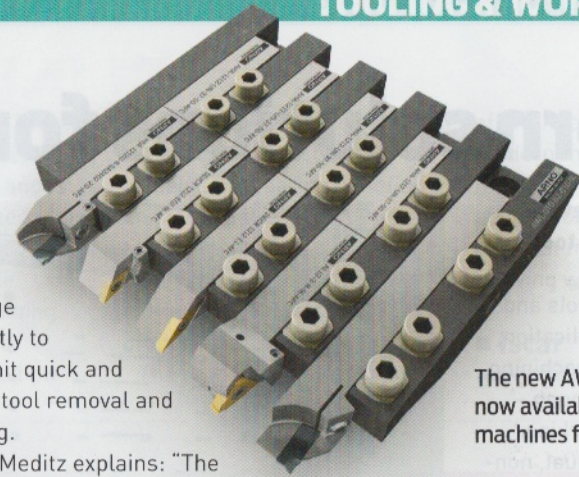
Simon Storf, marketing manager adds: "Users have the best benefits when they combine the AWL direct mount with the AFC quick-change system from Arno. To change a tool,

The new AWL direct mount is now available for Swiss type machines from Star Micronics

only the front part of the two-part holder needs to be removed and a new tool is then fitted with a different holder. This dispenses with the need for recalibration in many cases."

Arno Werkzeuge says the AWL direct mount and AFC quick-change system increases productivity at user's production facilities in line with its many customised solutions.

■ **Arno Werkzeuge**
<https://arno-tools.co.uk>

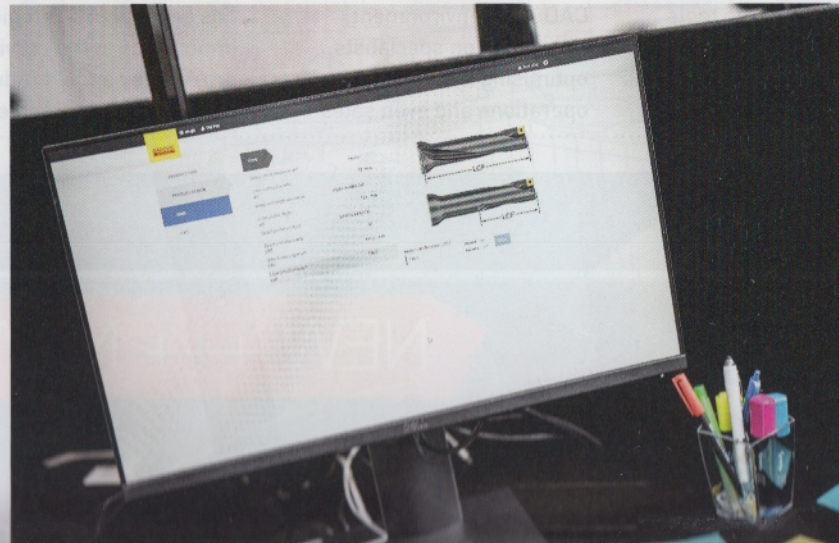


Customised tools online

Sandvik Coromant customers can now customise a cutting tool online without having to speak with a company sales representative.

As a result, the time to place an order for customised tooling solutions is reduced substantially, which in turn reduces overall tool delivery time.

Many manufacturers can benefit from using cutting tools that are not available off-the-shelf. The most common example is when a specific, non-standard hole diameter is specified. Producing such a feature typically entails an initial drilling operation followed by boring to the required size, however, by applying



Brian Davis, manager global sales processes, Sandvik Coromant. "This trend also impacts on cutting tool suppliers. Offering customised cutting tools demands the development of advanced processes, and making this customisation option available to all our customers is a bold move, but one we know offers multiple benefits."

Clearly, a faster tool customisation process translates directly into faster tool delivery, all without losing time in conversation with sales representatives.

Further advantages include the availability of a larger number of products on the web (beyond