

PRESS RELEASE

Corneliusstraße 4
60325 Frankfurt am Main
GERMANY
Phone +49 69 756081-0
Fax +49 69 756081-11
e-Mail vdw@vdw.de
Internet www.vdw.de

From Sylke Becker
Phone +49 69 756081-33
Fax +49 69 756081-11
Email s.becker@vdw.de

New dimension in networked production

umati demonstration by numerous international partners at EMO Hannover 2019

Frankfurt am Main, 5 July 2019. – *umati - universal machine tool interface goes live* at EMO Hannover 2019 from 16 to 21 September with an exciting presentation. "Around 50 machine tool manufacturers from all over the world will be joining forces to show how umati makes machine data usable," says Dr. Alexander Broos, umati project manager and Head of Research and Technology at the EMO organiser VDW (German Machine Tool Builders' Association). Trade show visitors will experience live the benefits the standardised interface offers.

"umati represents a quantum leap in the implementation of Industry 4.0 in production," explains Broos. "The use of a standardised interface will give machine tool users and their customers a whole new dimension of benefits," he continues. The networking of machines, systems and software is one of the most important trends in manufacturing right now. Today's customers expect to be able to integrate new machines into their own IT ecosystems with no difficulty. umati does this on the basis of the international interoperability standard OPC UA – easily, quickly and securely.

For over two years, a team of various machine tool manufacturers – today's *core partners* – have been working on developing this uniform language for machine tools. Together with control manufacturers, they aimed at making its

use as user-friendly as possible. "The concept is so impressive that many international manufacturers, but also various associations and scientific institutions, have signalled an interest in participating in umati," reports Broos.

More than 50 companies from seven countries demonstrating umati in Hanover

More than 50 companies from seven countries have currently registered for EMO Hannover, which will connect machines or value-added services as part of the live demonstration. Those are from Germany Adamos, Alfred H. Schütte, Axoom, Chiron-Werke*, DMG Mori*, DVS Technology Group, Elha-Maschinenbau Liemke, Emag*, Gebr. Heller Maschinenfabrik*, Grob-Werke*, Heinrich Georg Maschinenfabrik, Index-Werke, IT Engineering Software Innovations, K.R. Pfiffner*, Kapp, Liebherr-Verzahntechnik*, MAG-IAS, Maschinenfabrik Berthold Hermlé, Peiseler, Profiroll Technologies, Röders, Sauter Feinmechanik, Symmedia, Trumpf Werkzeugmaschinen*, Leibniz University of Hanover - Institute of Manufacturing Technology and Machine Tools, Vollmer Werke; from Italy Giuseppe Giana; Orchestra; from Japan Citizen Machinery, Makino Milling Machine, Murata Machinery, Okuma Corporation, Toshiba Machine and Yamazaki Mazak; from Austria: Emco Maier; from Switzerland Agathon, GF Machining Solutions*, Precitrame, Tornos, United Grinding Group*; from Spain Danobat, Ibarmina Innovatek, Nicolas Correa, Soraluca, Zayer; from Taiwan: Buffalo Machinery, Leadyang Precision Technology, Selica International (*core partners).

The participants are supported by the most important control suppliers, which partly also connect machines or added value services at their booths: B&R Automation, Beckhoff Automation, Bosch Rexroth, Fagor Automation, Fanuc, Heidenhain, Mitsubishi Electric and Siemens. The demonstration is realized in cooperation with T-Systems, who provides a data hub to connect machines and services.

"We assume that this already impressive list of companies will be considerably extended before the fair," says Broos. Interested parties can find out about the current number of participants at any time on the Internet at www.umati.info.

umati activities at EMO Hannover

The participants will be connected to a central dashboard. Furthermore, 18 software and data evaluation service providers will also be demonstrating how this data can then be used to generate added value for customers. Visitors can pick up information at the booths of the affiliated partners as well as at the central umati information booth in Hall 9, E24. This is where the data from the connected machines merges. Twice a day, at 10:30 and 14:30, the umati project team will invite visitors to *Meet the Experts* at the booth, where representatives of the *core partners* will report on their involvement in the project group and discuss various issues with the audience. Together with the OPC Foundation, the VDW is organising a focus topic on OPC UA in manufacturing technology on Tuesday 17 September 2019 in the Forum New Technologies, also in Hall 9. This will be rounded off with a *Get Connected Event* on the exhibition stand. On Friday 20 September 2019, the Forum New Technologies will also be devoted to *umati*.

Further information can be obtained from Dr. Alexander Broos, Research and Technology, VDW, Tel. +49 60 756081-17, a.broos@vdw.de and Götz Görisch, Research and Technology, VDW, Tel. +49 69 756081-64, g.goerisch@vdw.de.

Picture captions

Photo "umati Partner"

All umati partners at the EMO Hannover can be recognised by this logo.

Picture VDW

Photo "umati Connected Device"

This sticker on a machine indicates that it is connected via umati. The data can be tracked live in a central dashboard by scanning the QR code.

Picture VDW

Background umati

umati - universal machine tool interface is an industry initiative of the VDW. Its goal is to achieve an open standard for data exchange based on the global interoperability standard OPC UA. It also defines all necessary framework conditions to ensure seamless and secure integration of customers' machines and software. The ultimate goal of the umati brand is to provide international visibility and support its partners' marketing and quality assurance efforts. The standardisation activities of the Joint Working Group set up with the OPC Foundation are now followed by almost 100 companies all over the world. www.umati.info

Background

The German machine tool industry ranks among the five largest specialist groupings in the mechanical engineering sector. It provides production technology for metalworking applications in all branches of industry, and makes a crucial contribution towards innovation and enhanced productivity in the industrial sector as a whole. Due to its absolutely key role for industrial production, its development is an important indicator for the economic dynamism of the industrial sector as such. In 2018, with around 73,000 employees (annual average in 2018, companies with more than 50 employees), the sector produced machines and services worth 17.1 billion euros.

You will also find graphics and pictures online under www.vdw.de in the Press section. You can also visit the VDW on our social media channels



www.de.industryarena.com/vdw



www.youtube.com/metaltradefair



www.twitter.com/VDWonline