21st International Exhibition for Metalworking Technologies
What visitors can expect at METAV 2020:
The exhibition for all …
… wanting to experience the evolution of the latest metalworking innovations conclusively in realistic environments.
… with ideas in their heads, talent in their hands, and an exacting future in their hearts.

METAV 2020 in Düsseldorf …
… focuses on production solutions for all metalworking and manufacturing technologies.
… concentrates on machines, tools, methods, automation technologies, and new trends.
… strengthens dialogue between manufacturers and users, between daily challenges and future claims, between theory and practice.
… is the NRW platform for the entire range of metalworking.

METAV 2020 in Düsseldorf presents all of the key production technologies and inspires the professional world with the core subjects of these four highly specialised Areas:

• Quality Area – 360° quality
• Medical Area – 360° progress in medical engineering
• Moulding Area – 360° tool, model, and mould making
• Additive Manufacturing Area – 360° additive progress in manufacturing methods, including short runs
THE HIGHLIGHTS: everything that promotes quality: sensor systems, testing and measuring equipment, all QM analysis systems, and complex systems for process reliability and Six Sigma requirements – the whole gamut of quality mechanisms, methods, procedures, and technologies. The meeting place of experts and those responsible from production and quality management.

THE HIGHLIGHTS: from design to prototyping to series production! Supported by impressive technology for a growing market, the exhibitors in the MOULDING AREA will not fail to convince users in many industrial segments. Here, tool and mould making offers new and enhanced solutions in the realisation of complex geometries for plastic, metal, and glass.

THE HIGHLIGHTS: key providers from the CAD, simulation, hybrid machine, materials, systems, and quality assurance segments as well as production service and other solution providers. Presented here as a forum of innovative production technologies, the entire portfolio of additive processes forms the perfect complement to the other product highlights at METAV.

THE HIGHLIGHTS: Manufacturers of medical technologies, components, procedures, and production technologies for medical products represent to a great extent e.g. the subjects of implants, prostheses, instruments, and stents. New and lightweight materials like aluminium, carbon fibre composites, plastics, and titanium, also in their various combinations, present new prospects for medical production technology.
Under the banner “Clamping technology for megatrend solutions”, METAV 2020 will see the VDMA Precision Tools Association hosting the Forum for Clamping Technologies for the fourth time. A great many presentations at this forum will be illustrating the solutions offered by clamping technology to help your customers master the challenges posed by megatrends like e.g. smart production, cloud platforms, additive manufacture, alternative drive concepts, digitisation, etc. These presentations will be focusing on innovative workpiece and tool clamping technologies as well as on the latest findings from the research field.

Details: www.pwz.vdma.org

The EU Commission is ploughing ahead with the latest revision of the Machinery Directive 2006/42/EC, so VDW is keeping a close eye on the legislative procedure. One of the concerns is that the demand for operating instructions in paper form is no longer in line with these times of digitisation.

Field data have proved on more than one occasion the reliability of German machine tools with respect to safety aspects. These findings coincide with the years of unvarying decline in the number of accidents at machine tools in Germany.

Yet, quite some time had to elapse before the doubts could be dispersed concerning these obvious arguments in favour. These came about e.g. following a survey by the EU Commission on the necessity of combining the subjects “safety” and “security” in the revised Machinery Directive. This was opposed by VDW, backed by VDMA and CECIMO.

These and other aspects in this wide field of subjects will be illuminated in specialised presentations delivered on several sides by machine manufacturers, component suppliers, and health and safety experts. They will demonstrate the requirements that modern machine tools must fulfil and how they are fulfilled at present.

Details: www.metav.com

Networking poses risks for the safe operation of machinery and plant. Even today, 30% of the companies surveyed recently by VDMA speak of production downtimes as a result of security incidents. The damage is huge – in particular from ransomware or CEO fraud. The operators of machinery and plant are concerned above all with the availability of data and services, the integrity of Industry 4.0 data, and the elimination of safety hazards from cyberattacks. Principles for risk assessment, automation component requirements, and embedded software protection must be included as early as the production development and design stages. At the congress, leading industry and policy experts will be explaining the requirements, measures, and practical aids in the sector. Live hacking will demonstrate on site the vulnerability of today’s systems.

Details: www.metav.com

Digitisation and automation have evolved into a vital force for economic survival in Europe. Nevertheless, there is still a great deal of uncertainty in the sector. How can I equip my company for the Digital Age? What requirements must be fulfilled? To what extent can SMEs realise digital production? At the 3rd mav Theme Park – this time under the banner “Automation and digitisation” – acknowledged technology leaders will be presenting at METAV 2020 successful solutions to problems encountered in this field. At this specialised forum, visitors will learn in addition the actual benefits digitisation can offer them.

Details: www.mav-online.de

Subject to change. The schedule can be viewed on www.metav.com.
**HERE AND NOW**

**DÜSSELDORF**

Düsseldorf is where the heart of METAV beats.

Scarcely any other exhibition city in Germany or Europe can provide more crucial benefits to exhibitors and visitors than Düsseldorf. Traffic conditions, traffic links, and appeal are unparalleled. At the heart of the largest industrial conurbation and hence in the direct vicinity of countless users of metalworking technologies, Düsseldorf is tightly intermeshed and ideally integrated in the economic structures of the Ruhr Area as Germany’s industrial core. Not to mention what the historical centre of Düsseldorf can offer, from hospitality to its legendary leisureliness. Here half the world is at home. And the exhibition premises, easily accessible from all directions, also provide everything that makes a visit to an exhibition appealing.

**Restaurants and snack bars**

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<thead>
<tr>
<th>Hall</th>
<th>Restaurant/Bar</th>
<th>Open Time</th>
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<tbody>
<tr>
<td>Hall 1</td>
<td>“Kalles” restaurant</td>
<td>9.00 a.m. – 5.00 p.m.</td>
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<td>COFFEEBEE</td>
<td>9.00 a.m. – 5.00 p.m.</td>
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<tr>
<td>South Entrance</td>
<td>CAFETIERO bar</td>
<td>9.00 a.m. – 11.00 a.m.</td>
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<tr>
<td>Hall 4</td>
<td>CAFETIERO</td>
<td>9.00 a.m. – 5.00 p.m.</td>
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<td>“Zum Schiffchen” restaurant</td>
<td>9.00 a.m. – 5.00 p.m.</td>
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<td>Hall 5</td>
<td>PASTA PASTA</td>
<td>11.00 a.m. – 5.00 p.m.</td>
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<td>PICK UP</td>
<td>10.00 a.m. – 5.00 p.m.</td>
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<tr>
<td>North A entrance area</td>
<td>CAFETIERO bar</td>
<td>9.30 a.m. – 11.00 a.m.</td>
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<td>Open space between Halls 1 and 4</td>
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<td>CIA food truck</td>
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<td>THIRD CULTURE KITCHEN</td>
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<td>Tower supermarket</td>
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<td></td>
<td>Pharmacy</td>
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<td></td>
<td>Stockumer Kirchstr. 7, tel.: +49 211 4379849</td>
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<td>First aid station</td>
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<td>North Entrance, tel.: +49 211 4560-111</td>
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<td>Car hire</td>
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<td>Hotel and travel offers</td>
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<td>Düsseldorf Tourismus GmbH</td>
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<td></td>
<td>Tel.: +49 211 17202-839</td>
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<td><a href="http://www.duesseldorf-tourismus.de/messe/metav/">www.duesseldorf-tourismus.de/messe/metav/</a></td>
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Calendar and opening times
Tuesday, 10 March 2020 to Friday, 13 March 2020, daily 9.00 a.m. to 5.00 p.m.

Admission charges – combined tickets
€ 28.00  Onsite day ticket with registration
€ 36.00  Onsite day ticket without registration
€ 19.00  Advance day ticket online
€ 49.00  Onsite season ticket with registration
€ 59.00  Onsite season ticket without registration
€ 37.00  Advance season ticket online
€ 16.00  Reduced day ticket for pupils and OAPs

The tickets also entitle the holder to travel on VRR buses and trains. Advance orders from end of 2019.

Catalogue
€ 23.00 including shipping costs inside Germany
Advance orders from 2 December 2019 from:
www.metav.com or in writing from:
A. Sutter Fair Business GmbH
Ms. Martine Bey
Bottroper Str. 20
45141 Essen, Germany
Tel.: +49 201 8316-228, Fax: +49 201 8316-229
E-mail: katalogorder@sutter.de

Catalogues shipped from February 2020
Exhibition site
Düsseldorf exhibition grounds
Halls 1, 4, 5, and 7a
10 – 13 March 2020
Opening times
Tuesday – Friday:
9.00 a.m. – 5.00 p.m.
www.metav.com

VDW – Verein Deutscher Werkzeugmaschinenfabriken e.V.
Corneliusstraße 4
60325 Frankfurt am Main
Germany
Tel.: +49 69 756081-0
Fax: +49 69 756081-74
metav@vdw.de