



GrindTec 2020

Internationale Fachmesse
für Schleiftechnik

10. – 13. November · Messe Augsburg

GrindTec 2020 Press Release

July 2, 2020

Sector outlook positive: new ifo figures signal significant improvement for the next six months

Augsburg – The world's leading trade fair for grinding technology, the GrindTec, will start in autumn as one of the first important trade fairs. From 10th to 13th November it will offer an important and necessary platform for the metalworking industry. The latest figures of the ifo Institute for Economic Research send positive impulses for this.

During the Corona crisis, the business climate index fell to a historic low of 74.3 points in spring. Current figures of the ifo business climate index and evaluations by Statista are already showing positive trends again: The 9,000 surveyed companies from the manufacturing, service, trade and construction sectors are confident about the coming months. Currently, a slight improvement is already evident after the low (86.2 points in June). Looking ahead to the next six months, the positive trend is continuing and the business climate index is expected to rise to 91.4 points. The interviewees from the manufacturing industry are looking to the future and are expecting a clear improvement - which has a decisive effect on the current business climate and sets the course for GrindTec.

Grinding technology sector relies on the strength of its leading trade fair

Of the approximately 650 exhibitors who had registered for the March date, almost all were able to confirm the new date in November. It has already been possible to fill some of the cancellations with new exhibitors. At present around 640 exhibitors are taking part in the GrindTec in November.

**Visitors with specialist and decision-making competence
are the strength of the GrindTec**

Participating companies appreciate the professional quality and decision-making competence of the visitors. According to Gelszus Messe-Marktforschung, 64% of them were "sole or co-decision-makers" at the last event, 20% "involved in an advisory capacity in decision-making". For every third trade visitor the GrindTec is the most important information platform in the calendar of events:

GrindTec 2020: Finally experience grinding technology trends live

A Preview

Prof. Dr.-Ing. Wilfried Saxler, General Manager of FDPW

As the leading trade fair for new technologies in grinding, honing, lapping and polishing, the coming GrindTec will bring the sector together again after a long time. In the direct dialogue between visitors and manufacturers, new perspectives for tool grinding will open up, which can lead the companies out of the crisis.

Impulses are provided by highly functional solutions and further developments such as

- hybrid grinding machine concepts that also integrate other manufacturing technologies
- additive manufactured flow-optimized cooling lubricant nozzles
- direct drives in the grinding machine axes to improve dynamic stiffness and accuracy as well as to increase performance
- new 5-axis machine concepts for tool grinding
- laser processing possibilities of diamond tools or diamond-coated tools.

The Corona crisis has clearly shown not only to the tool grinding industry that digitalisation, networking and automation are indispensable. Many new business models are currently being created which have enormous economic potential. Creating added value in production technology at the same time in different places in the world is only possible with a modern network economy. The manufacturers of machines and peripheral systems, of process and tool technology have developed answers to these questions, which they will present live on site.

GrindTec-Campus – State of the art research & development

Numerous research institutes will be represented at the GrindTec 2020 in the foyer of Hall 1 (Schwabenhalle):

- the Competence Center for Machining Production at Furtwangen University
- Ruhr West University
- the Institute of Machining Technology (ISF) of the Technical University Dortmund
- the Institute for Machine Tools and Factory Operation (IWF) at the TU Berlin
- the Leibniz Institute for Materials-oriented Technologies (IWT) of the University of Bremen
- the Institute for Tool and Manufacturing Technology (iWFT) of the Rheinische Fachhochschule Köln GmbH
- the Machine Tool Laboratory (WZL) of RWTH Aachen University.

FDPW Competence Centre Grinding Technology

Together with its international partner associations, the Precision Toolmakers' Association (FDPW) will be presenting itself in the conference centre of the Augsburg Trade Fair Centre. In addition, the association's service partners will also introduce themselves personally and provide information about their offers, which could be of great interest to grinding technology companies. The GrindTec Forum with its lectures on current topics of the sector and the Jakob-Preh-Schule from Bad Neustadt, which is the only vocational school that trains precision tool mechanics, will also be there. Together with the GrindTec Campus, the FDPW Competence Centre provides insights into the latest state of application-oriented research and development.

Competition "Tool grinder of the year 2020"

Together with Schneeberger GmbH and the FDPW Academy, the trade magazine fertigung is looking for the "Tool grinder of the year" at the GrindTec 2020 trade fair. In addition to high technical competence and great craftsmanship, an eye for economic efficiency is also required. On 11th November at the GrindTec 2020 in Hall 1, the five finalists will each program one workpiece on one of two Schneeberger-Aries-NGP grinding machines and machine it live in front of an audience. The overall winner will be determined at the GrindTec.

Hotel reservations via Regio Augsburg

During the GrindTec the hotels in and around Augsburg are very well occupied. The Regio Augsburg Tourismus GmbH offers support in finding rooms, also via its online booking system: www.regio-augsburg.de

Phone: +49 (0)821 – 5 02 07 - 31 /-34

Mail: hotelservice@regio-augsburg.de

For further information please contact

Head of Communications Department: Winfried Forster

Phone +49 (0)821 – 5 89 82 - 143

Fax +49 (0)821 – 5 89 82 - 243

E-mail: winfried.forster@afag.de

Internet: www.grindtec.de

Here, you will find further information as well as pictures and graphics.

What trade fair visitors can expect in November: Information of GrindTec 2020 Exhibitors

Haas grinding machines splits the μ

Hall2, booth 2002

Adapting process control by means of an automated compensation process increases precision sustainably. Thus, systematic and machine-specific deviations are determined by tactile measurement on the workpiece, on a coordinate measuring machine during the running process and constantly transmitted to the Multigrind® Horizon software. The software has a large number of compensation functions that complement each other perfectly. In this way, all dimensional deviations can be precisely compensated. Without compensation of all process factors, the achievable tolerance would be 4 - 5 μ . With compensation grinding, 0.6 μ can be achieved.

Rollomatic introduces: The easy way to production autonomy

Experience Smart Factory up close - more efficient grinding with networked solutions

Hall 5, booth 5077

Producing autonomously while saving resources and aiming for a zero defect rate - who wouldn't want that? With concepts for such scenarios, Rollomatic SA presents many, but really realistic solutions for tool grinding. The focus here is on a smart factory infrastructure, new high-precision grinding and laser machines and a comprehensive training programme for tool grinding.

J. SCHNEEBERGER Maschinen AG will be bringing all five model series to the GrindTec 2020.

Hall 3, Stand 3076

Grinding applications that go far beyond the grinding of standard tools will be shown. Automation and software interfaces are in focus. From the grinding service with chaotic loading, through mass production including marking and edge rounding, to the robotic cell for heavy components, SCHNEEBERGER offers the right handling system for everyone.

The grinding software Qg1, as a CAD/CAM module, provides interfaces to DXF, GDX and STEP. The parameterization of the grinding paths and the optimization of the grinding strategy on the basis of the complete 3D model provide the answer to the

constantly increasing complexity of the parts to be ground and enables programming within the shortest possible time.

For the first time worldwide WALTER presents live two new low-cost all-round machines for the production and resharpening of tools

Hall 2, booth 2055

The new HELITRONIC RAPTOR is a flexible and universal grinding machine for the metal and woodworking industry, especially specialized for efficient grinding and resharpening of rotationally symmetric tools up to 320 mm diameter and up to 280 mm length (face finishing).

The second new machine HELITRONIC RAPTOR DIAMOND is a flexible and universal tool erosion and grinding machine with the "Two-in-One" concept from WALTER, which has been tried and tested for almost two decades, especially for resharpening PCD tools up to 400 mm diameter and 270 mm length (face machining).

For latest information please refer to www.grindtec.de