

2020-02-11

Hall: 8 Booth: 8B108

## CUTTING WORLD

### New table marking system FlyMarker® mini 120/100 STATION

MARKATOR® is specialized in systems for tamper-proof and durable marking of industrial workpieces. Since 1984 the company develops and manufactures high-quality marking systems, which are realized individually according to customer wishes.

Now MARKATOR® presents the latest development in the area of table marking systems, the FlyMarker® mini 120/100 STATION. It convinces by its easy handling and its large marking field of 120x100 millimetre, as well as by a very attractive price/performance ratio.

With the FlyMarker® mini 120/100 STATION with integrated control unit (optionally with capacitive touch screen) components can be easily and quickly marked. Thanks to the innovative column frame with tilt lever function, a quick component change is possible. A very robust mechanism, an electromagnetic drive and an illuminated marking field are further highlights of the product. In addition to characters and numbers, it is also possible to mark individual logos, test marks or data matrix codes.

#### Contact:

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2020-02-03

Hall: 8 Booth: 8A117

## CUTTING WORLD

CAD/CAM nesting software

FINEST-high-end CAD/CAM nesting software made in Germany for companies which specialise in laser, water jet, plasma and oxy fuel cutting.

Contact:

CAM CONCEPT GmbH

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2023-04-18

Hall: 8 Booth: 8A112

## CUTTING WORLD

### SCut MAX Laser cutting optics

SCut MAX offers users of modern laser cutting systems an optimized laser cutting head with temperature-stable distance control and autofocus function. SCut MAX signifies burr-free cuts and high speeds when laser cutting a wide variety of flat materials made of steel, stainless steel, aluminum, or non-ferrous metals. Thanks to the revised cooling concept and the expanded compatibility with the FCH-16 fiber connector, laser powers of up to 30 kW are possible.

#### **Function description**

The combination of low-drift distance control and autofocus function enables safe insertion as well as smooth and burr-free cuts in the material — whether flatbed or bevel cutting, thin sheet or thick sheet metal. The laser cutting head is also characterized by an extremely user-friendly concept allowing front-operated and axis-true beam adjustment.

#### **Areas of application**

- | Laser cutting
- | Flatbed and bevel cutting systems as well as pipe cutting systems
- | Thin and thick sheets

#### **Advantages**

- | Suitable for modern, powerful laser cutting systems with a laser power of up to 30 kW
- | Optimized cooling concept to protect optical components and achieve stable process results all the time
- | Improved cutting gas flow for the best cutting results
- | Robust autofocus system with high dynamics for reliable insertion and precise focus position
- | Resistant sealing system, including seal monitoring to protect the optical components
- | Temperature-stable distance control between laser cutting head and workpiece for constantly stable cutting results, even with high laser power and long processing times
- | The user-friendly service concept enables system integrators to change the optical components quickly and easily
- | Precise and true-to-axis horizontal adjustment of the laser beam in X and Y-directions on the front of the cutting head for effortless operation
- | Comprehensive sensor-based status monitoring for the reliable operation of the system

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2023-02-20

Hall: 8 Booth: 8A117

## CUTTING WORLD

### Lantek Expert (CAD/CAM 2D)

Lantek Expert V2022 is the result of a year of work developing multiple new options which make the whole process of cutting, punching and shearing sheet metal parts easier and now more automatic for customers.

- | Brand new automatic micro-joints placement algorithm.
- | Intuitive configuration window (for micro-joints and lead-ins).
- | New options to cut the framework more efficiently.
- | New options to mark or ignore small contours.
- | New option to hatching contours.
- | New feature to fix the machining sequence on a part level.
- | New options to create remnants semi-automatically.
- | Nesting Optimization Service (NOS) now can use multitorch nesting.
- | A brand new nesting importer from DXF/DWG files.
- | New bending technology entity.

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2023-02-27

Hall: 8 Booth: 8D115

## CUTTING WORLD

### SigmaNEST Suite V23

The SigmaNEST Version 23 suite release zeroes in on nesting for manufacturing, delivering the ultimate user experience, and expanding the Connect Shop. SigmaNEST V23 adds powerful capabilities that not only make programming easier, but also make life easier downstream for the whole shop.

Vice President Kevin Ramirez comments: “While the goal is to optimize all available manufacturing resources, the emphasis on real world nesting based on operational processes has shown extraordinary value in compounding efficiency beyond material savings alone. Connecting your people and processes as one holistic entity transforms your ability to manage it effectively and efficiently.”

### **Nesting for Manufacturing**

Bump for tooled punch parts, relaxed nesting for improved skeleton integrity, optimized nesting for process and NC mechanics beyond yield alone.

### **Delivering the Ultimate User Experience**

Fewer clicks, commonly used functions “at your fingertips,” more granular control.

### **Expanding The Connected Shop**

Deeper inter-product integrations, introducing new apps like Shop clock, Quality Manager, Data Hub.

### **What is new in Version 23**

Visit the web page for more information: <https://sigmanest.com/latest-release-whats-new>

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2020-02-03

Hall: 8 Booth: 8A131

## CUTTING WORLD

### SB200 / SB500 / SB950 - Battery lifting magnet

The electropermanent battery lifting magnets are suitable for the flat material load range of 200 | 500 | 950 kilogram and the round material load range of 50 | 200 | 400 kilogram. Using a current pulse of less than one second the electro-permanent battery lifters SB 200 | SB 500 | SB 950 from Assfalg are switched manually by pushbuttons or automatically. Although no current flows during the transport of the load, the workpiece remains safely clamped like a permanent magnet. Up to 1000 ON/OFF switching cycles by SB 200 | SB 500 and 500 ON/OFF switching cycles by SB 950 are possible before recharging the integrated accu by the supplied mains charger.

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2020-02-03

Hall: 8 Booth: 8A131

## CUTTING WORLD

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2023-03-18

Hall: 8 Booth: 8A102

## CUTTING WORLD

LABJET, the compact water jet cutting machine

The LABJET range combines the efficiency and precision of waterjet cutting in a compact format with industrial performance.

With its fixed table of useful size 1050 x 750 millimetre, the LABJET range allows the cutting of soft materials with pure water or hard materials thanks to the addition of abrasive. Entirely enclosed, it allows a work in complete safety for the operator. It is the ideal machine to meet the needs for rigour and precision for industrialists and the needs for safety and compactness for the world of training.

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2023-03-21

Hall: 8 Booth: 8A114

## CUTTING WORLD

### Q-Fin F200 - small parts specialist

The small powerhouse for deburring and rounding: The F200 has been developed by Q-Fin to finish, at high speed, small flat plate parts up to 200 millimetre wide.

The F200 is a 3-station machine suitable for deburring, grinding and/or rounding small sheet metal parts. This deburring machine has a grinding unit as the first processing station, followed by two bowl brushes. The grinding belt removes burrs or, if required, gives the product a nice line finish. The brushes round off the product and give the surface an even finish. The F200 has two counter-rotating brushes which ensure optimal rounding.

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2023-02-08

Hall: 8 Booth: 8B111

## CUTTING WORLD

### Clouver IoT Production Monitoring Platform

Clouver, the industrial IoT Production Monitoring Platform for the cutting industry, networks heterogeneous machines and makes production processes transparent. With the targeted data evaluation of Clouver, unused potentials of the entire textile and foam value chain become visible, and productivity is sustainably optimized.

| Customization for you: experts will develop new features and apps to adapt Clouver to your individual requirements.

| Connect all your machinery in your production with Clouver: new ones as well as old ones – without costly retrofits.

| Made for everyone: Clouver provides business managers as well as machine operators valuable information to improve and ease their daily work.

| Digital and sustainable: keep track of all downtimes and discover long-term optimization possibilities – in a paperless and user-friendly way for everyone.

| Easy start, big effect: your machinery can be connected to Clouver within a few hours. Starting a digitized production couldn't be easier.

| Get valuable information from your machinery, in real-time, securely, and accessibly from anywhere.

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2023-02-01

Hall: 8 Booth: 8C101

## CUTTING WORLD

APC - The system for automated process control

APC is automated technology for cutting the unalloyed carbon steel plates, tubes or profiles used on cutting tables or robots. It ensures maximal productivity and safe cutting environment as it prevents the operator from using the system incorrectly.

Dozens of sensors, control elements and software cooperate to provide optimal operation. The integrated cutting database ensures consistent high cutting quality with reduced scrap. The parameters in the database have been developed based on many cutting tests with wide variety of conditions. A fully automated process maximises the efficiency of the cutting machine.

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2020-02-25

Hall: 8 Booth: 8A130

## CUTTING WORLD

### Q series - Plasma Cutting 4.0

The new, pioneering Q-Series from Kjellberg Finsterwalde combines precision plasma cutting at an exceptional level with the complex requirements of digitised production.

- Complete new development including 60 years of Kjellberg know-how
- Inverter power source – digitally controlled, fully electronic process flow
- Modular design – subsequent upgrading of system performance possible
- Best cutting and marking quality – new Q-Mark and Q-Hole technologies
- Optimised processes – proven Contour Cut, Contour Cut Speed and Silent Cut cutting technologies
- Low cost per metre cut – improved cutting speed, longer lifetime of consumables
- Visualisation of machine, process and consumption information
- Preventive inspection and maintenance analysis
- Interactive database, training and service updates

### **Ready for Smart Factories**

The Kjellberg-developed, browser-based HMI Q-Desk provides real-time process data and information from all system components on standard devices regardless of location.

### **Information**

- Installation and operating manuals
- Component identification and status monitoring
- Machine and process parameters

### **Diagnosis**

- Monitoring of cutting process with recording function
- Process and error analysis
- Frequently Asked Questions (FAQs) and video tutorials

### **Prognosis**

- Calculated electricity and gas consumption with history



- Preview of maintenance and service
- Integration of latest development results and operating information with online update function

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