

## Press release

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## elumatec at ALUMINIUM 2018: Celebrating 90 years with a special model and a range of saws

Mühlacker. With a special anniversary model, a range of powerful saws and the winner of the German Design Award all on display, elumatec AG, the global market leader in machines for processing aluminium, plastic and steel profiles, will be presenting an extensive trade fair programme at ALUMINIUM in Düsseldorf from 9 to 11 October 2018. At Stand D10 in Hall 9, users can experience solutions tailored to meet industry requirements with which they can take their operations to the next level in terms of flexibility and automation, increasing cost-effectiveness as a result.

### An overview of trade fair highlights:

- Special anniversary SBZ 151 Edition 90 profile machining centre model: all of the proven advantages of this all-rounder packaged in a new design, with an optimized control system and a new clamp concept in addition to being eluCloud ready.
- The SAS 142/44 automatic saw with 2-axis controller and large-dimensioned saw blade allows efficient large-scale cutting of aluminium profiles, as well as featuring a large cutting range for wide profiles.
- The MGS 245/00 mitre saw is the machine for large-volume profiles and cutting variants.
- German Design Award Winner: the 5-axis profile machining centre SBZ 122/75 attains flexibility, speeds and acceleration values that have not yet been seen in this market segment. The German Design Award is the prestigious international prize awarded by the German Design Council, with the aim of discovering, showcasing and recognizing unique and innovative design trends. Every year, high-quality submissions are received from the world of product and communication design, which all in their own way break new boundaries in the international design landscape.
- 90 years of elumatec: insights into the company's history

As elumatec celebrates 90 years at the trade fair in Düsseldorf, all the signs point towards growth:

the aluminium industry is thriving and demand is increasing, particularly as a result of the shift to renewable energy and developments in the transport sector. At ALUMINIUM 2018 elumatec will showcase its innovations designed specifically for industrial customers. “We are eager to utilize this opportunity to demonstrate the advantages of our products both practically and in detail at one of the most important trade fairs in the industry”, says elumatec board chairman, Ralf Haspel. On the occasion of the company’s 90th anniversary, he emphasizes that elumatec always views proximity to customers as the number one factor for success: “In all sectors, we develop solutions which are exactly in line with the needs of our worldwide users. This approach has proven itself in the past and is becoming even more important, especially in times of complex applications.” Trade fair visitors can see all this for themselves at ALUMINIUM 2018, as in addition to the machines on display at our stand covering 156 square metres, touchscreen presentations will allow the entire elumatec product portfolio to be explored.

**SBZ 151 Edition 90: The special anniversary model with advantages old and new**

If it hadn’t done so already, the 5-axis SBZ 151 profile machining centre gained recognition as a masterpiece of efficiency in machining aluminium and thin-walled steel profiles when it was used in the construction of the dome of the Louvre Abu Dhabi. The Edition 90 features the proven advantages of the all-rounder in a new, contemporary design, including a reconfigured hood and user interface, an updated control system and a new clamp concept. With processing lengths of between 6 and 30 metres, the SBZ 151 – including the Edition 90 – enables exceptionally long parts to be machined especially for industrial applications. All work operations, such as routing, drilling, tapping, thread milling, notching and sawing, are performed on the stationary profile bar, ensuring that the profile surfaces are handled as gently as possible. Clamps with height and width adjustments and quick-change support blocks enable optimal profile clamping and full exploitation of the machining possibilities. An optional angle head also makes it possible to machine profiles from below, ensuring that they can be worked on from all six sides with a single clamping operation. The on-board tool magazine reduces the time required for tool changing, and the robust and low-wear direct drives also deliver impressive speed, enabling rapid acceleration and positioning of the machining assembly. Two separate work zones allow the machine to be used in shuttle operation, and as if all that were not enough, the SBZ 151 Edition 90 is “eluCloud” ready right from the start. In short, the high degree of automation and the advanced control technology featured in the SBZ 151 Edition 90 allow customer requirements in the metal construction industry to be met flexibly, quickly and accurately.

*(Bilder hochauflösend anbei)*



File name: elumatec\_AG\_SBZ151\_Edition90\_Gesamtansicht.jpg  
Subject: Special anniversary SBZ 151 Edition 90 profile machining centre  
Caption: The all-rounder redesigned, eluCloud ready and with a new-generation control system, ergonomic control unit and optimized clamping concept.  
Image copyright: elumatec AG, Mühlacker



File name: elumatec\_AG\_SBZ151\_Edition90\_Detailansicht\_Profil\_Alusägen\_45\_Grad.jpg  
Caption: 45 degree saws: The SBZ 151 has an A-axis pivoting range from  $-110^{\circ}$  to  $+110^{\circ}$  (with a 400 mm saw blade diameter).  
Image copyright: elumatec AG, Mühlacker



File name: elumatec\_AG\_SBZ151\_Editionen90\_Detailansicht\_Verstellung.jpg  
Caption: The new clamp concept for the SBZ 151 enables readjustment of the clamp width without requiring tools.  
Image copyright: elumatec AG, Mühlacker

**SBZ 122/75: Ultimate precision, exceptional range of applications, extremely fast**

The winner of the German Design Award 2018 also impresses thanks to its intrinsic values which make it perfect for machining aluminium, plastic and steel profiles. Just take a look at its configuration, unique for its class: the powerful 5-axis profile machining centre for metal construction firms and industrial applications offers the ultimate in precision and the widest possible range of applications. What's more, it achieves speeds and acceleration values the likes of which have never before been seen in this market segment. Operations such as routing, drilling and tapping are performed while the profile bar is stationary in order to protect the surfaces. All five axes of the SBZ 122/75 can be controlled simultaneously with the Rotation Tool Centrepoint (RTCP). The machining unit can be positioned using the dynamic servo drives running at up to 120 m/min. The award-winning SBZ 122/75 provides a maximum of compactness on a minimal footprint, as well as offering an advantage that may give it a competitive edge: extremely high energy efficiency thanks to the DC link coupling in the axis drives.

*(Bild hochauflösend anbei)*



File name: elumatec\_AG\_SBZ122\_75\_Gesamtansicht.jpg  
Subject: German Design Award Winner SBZ 122/75  
Caption: The SBZ 122/75 5-axis profile machining centre attains speeds and acceleration values that have not yet been seen in this market segment.  
Image copyright: elumatec AG, Mühlacker

**SAS 142/44: The automatic saw for efficient large-scale cutting**

Powerful and with a large cutting range for wide profiles, the elumatec SAS 142/44 automatic saw with 2-axis controller and large-dimensioned saw blade for 90° cuts is perfect for large-scale cutting of aluminium profiles in industrial applications. The kerf spreading in this top-of-the-range model ensures the highest possible surface quality of the cut faces, while the material infeed protects the surface of the workpiece through the profile lifting system on the supporting and guiding surface. Further advantages of the SAS 142/44 include automatic shutoff when the end

of the profile has been reached and material infeed via the servo axis, controlled for transport speed and part length. The automatic saw from elumatec also controls the saw feed via a servo axis, and the profile parameters can be saved in the profile database.

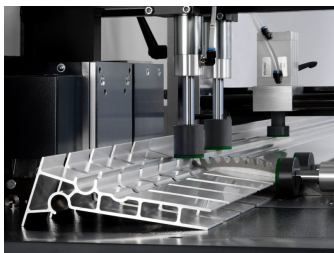
*(Bilder hochauflösend anbei)*



File name: elumatec\_AG\_SAS142\_42\_Gesamtansicht\_Profil.jpg

Caption: SAS 142/44: Powerful automatic saw.

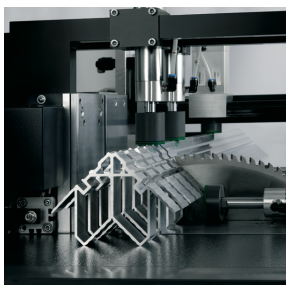
Image copyright: elumatec AG, Mühlacker



File name: elumatec\_AG\_SAS142\_42\_Detailansicht\_Saegen1.jpg

Caption: "Cutting from below": The SAS 142/44 also follows this tried-and-tested elumatec principle.

Image copyright: elumatec AG, Mühlacker

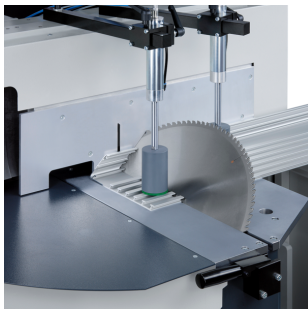


File name: elumatec\_AG\_SAS142\_42\_Detailansicht\_Saegen2.jpg  
Caption: With its profile lifting system, the automatic saw protects the surfaces of the material.  
Image copyright: elumatec AG, Mühlacker

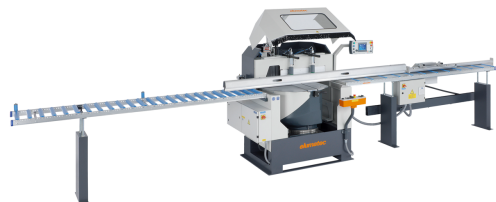
### **MGS 245/00: The mitre saw for special applications**

Ideal for large-volume profiles and special cuts, the elumatec 245/00 mitre saw is the specialist tool for cutting variants in industrial applications, with features including an unobstructed table surface which enables optimal loading and unloading of profiles. In addition, the patented saw arm suspension of the MSG 245/00 creates a cutting pressure towards the back fence which ensures safe clamping of the workpiece. But the small details of the MGS 245/00 also make it a winner: the safety hood opens automatically, and a pulsed coolant system and saw blade are included. It has a manual pivoting range of up to 22.5°, with a tilting range from 90° to 45°.

*(Bilder hochauflösend anbei)*



File name: elumatec\_AG\_MGS245\_00\_Detailansicht\_Profil\_Al\_u\_Saegen\_45Grad\_geneigt.jpg  
Caption: MGS 245/00: The specialist tool for special cuts.  
Image copyright: elumatec AG, Mühlacker



File name: elumatec\_AG\_MGS245\_00\_Gesamtansicht\_Profil\_Al\_u\_AMS200\_Rollenbahn.jpg  
Caption: Optimal loading and unloading of profiles.

Image copyright: elumatec AG, Mühlacker



File name: elumatec\_AG\_MGS245\_00\_Gesamtansicht.jpg

Caption: The MGS 245/00 mitre saw is particularly well-suited for special applications.

Image copyright: elumatec AG, Mühlacker

### **elumatec's 90th anniversary: Looking back at icons of their time**

From wood processing to the introduction of profile machining centres and on to software development, 90 years of elumatec history will come alive at ALUMINIUM 2018, where visitors can look forward to exciting insights into the company's past.

*(Logo anbei)*



File name: elumatec\_AG\_logo\_90 years elumatec\_EN\_4c.jpg  
Subject: 90 years of elumatec AG  
Caption: During this anniversary year we will also look back at the past – including elumatec innovations that set new standards in their time.  
Image copyright: elumatec AG, Mühlacker

### **elusoft: Reduce costs, safeguard operational readiness, optimize production**

elumatec subsidiary elusoft will be presenting their eluCad 4.1 and eluCloud software solutions in Düsseldorf. eluCloud is the joint solution developed by elumatec and elusoft for collection and analysis of machine data. eluCloud provides companies with tips concerning optimization options, which lower costs and safeguard the operational readiness of your machines. The data gathered by eluCloud and the real-time processing and analyses show what is currently taking place in production and what has already been accomplished. Machine, part and production data is captured by eluCloud, paving the way for Industry 4.0, the Smart Factory and the Internet of Things. The eluCad programming software makes it possible for users to configure their profile machining centres without having to be able to write ISO code on their own, and it is this user friendliness and unbeatable flexibility which make eluCad the best practical choice. Version 4.1 of the software will be presented at the trade fair.

*(Logo anbei)*



File name: elumatec\_AG\_Logo\_eluCloud.jpg  
Subject: Data power for working efficiency and cost reductions: eluCloud provides information on possible optimization measures of its own accord.  
Image copyright: elumatec AG, Mühlacker



## **About elumatec AG**

elumatec AG is a global leader in the manufacturing of machines for processing aluminium, PVC and steel profiles. With its extensive product range, the company covers the entire spectrum of applications from small craftsman's businesses to industrial profile processors. Custom-designed and modular machinery concepts provide flexible and individualized industry solutions for all groups of customers. The company, which is headquartered in the Swabian town of Mühlacker and was founded in 1928, has subsidiaries and dealers in more than 50 countries, employs over 700 people worldwide and achieved consolidated sales of over 130 million euros in 2017.

*Textinformation: 1.179 words, 9 503 characters (with spaces)  
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