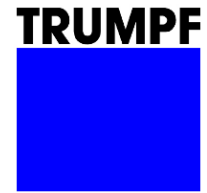




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## Press release on new 18 V Li-ion battery-powered power tools

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### Higher performance, longer runtime

TRUMPF is adding 18 V Li-ion technology and brushless motors to its range of battery-powered power tools

10 *Ditzingen, June 2017 – Starting in July, TRUMPF will offer shears, slitting shears, nibblers, profile nibblers, seam lockers and power fasteners with 18 V Li-ion battery technology. When used in combination with a brushless motor and Power-Head technology, these cordless TruTools provide superior operational performance and up to 60% longer runtime after each full charge.*

20 Li-ion battery technology is taking the world by storm. Offering advantages such as high energy density, protection from overload, overheating, and deep discharge, and a lower memory effect, these energy storage systems are an ideal solution for professional electric metal processing tools. In line with this trend, TRUMPF is expanding its TruTool portfolio of battery-powered tools. Alongside its conventional 10.8 V products, the company is now offering eight new, more powerful solutions with 18 V batteries. In the future, this level of power will facilitate the cutting of sheets as thick as 2 to 2.5 mm using cordless tools. The following products will be available with the new batteries: the C 250 slitting shears with chip clipper, the S 250 shears, the N 200 nibbler, and the PN 200 and PN 201 profile nibblers. In addition, the F 300 and F 301 seam lockers will be equipped with 18 V battery technology for the first time. Rounding off  
30 the 18 V portfolio is the TF 350 power fastener.



Generally, all of the metal cutting tools operate with the same working resistance. This results in minimal strain on the battery and exceptionally long runtimes, especially when used in combination with the brushless motor and Power-Head technology. The Li-ion technology also gives the batteries a low self-discharge rate, which means they retain their charge, even after months of being idle.

40 Dr. Axel Erber, head of International Sales Power Tools, highlights another advantage: “We fit our new 18 V tools with robust 2 Ah or 4 Ah batteries, sizes perfectly suited to the constantly high power drain. This way, we strike the optimum balance between operational power and runtime. Thanks to the microprocessor-controlled voltage monitor in the TRUMPF charging unit, the 18 V Li-ion batteries can be connected to the charger at any time – regardless of their level of charge – without causing damage to the cells.

### **New: brushless motors**

50 In a first for the company, TRUMPF’s 18 V power tools feature a brushless motor that provides contactless drive with almost no wear. Consequently, they require very little maintenance and have an extremely long service life.

Another advantage of brushless motors is their compact and lightweight design. Moreover, they deliver increased efficiency and higher torque than conventional motors with carbon brushes running on direct current. As a result, the power tools deliver superior operational performance. To prevent the high torque from causing a rough cut at the start, the developers have integrated a soft start feature that facilitates ergonomic operation and is gentle on the motor. This, in turn, helps to extend the motor’s service life.

60 Like their 10.8 V counterparts, the 18 V tools are equipped with TRUMPF Power-Head technology: a battery-optimized aluminum gear head tailored to the low voltage of the battery technology. The key factor here is that the developers decoupled the motor pinion from the motor to minimize power loss. This means TRUMPF’s 18 V power tools can achieve an operational performance that would



otherwise be possible only with considerably more expensive and bulky 28 V batteries.

## **User friendly and ergonomic**

TRUMPF's new battery powered power tools with 18 V li-ion technology are also state of the art from an ergonomic perspective.

70 With their compact, lightweight design, and thanks to the soft-grip motor housing and optimum weight distribution, they are extremely comfortable to hold, allowing operators to work in maximum comfort and with minimal effort. Safe operation is ensured by features such as the integrated restart lock, which prevents the tool from automatically starting up again following a power failure. Before it can restart, the operator must press the "on" switch again.

80 A further highlight is the integrated speed controller that allows the cutting speed to be adjusted as required. Erber adds: "When operators need to follow specific cutting lines, they can simply reduce the operating speed accordingly. For simple cuts, on the other hand, they can crank it up."

Just like TRUMPF's cordless power tools with 10.8 V Li-ion battery technology, on the market since late 2014, the company is also offering all 18 V Li-ion tools as standalone machines. The product itself, delivered in the usual TRUMPF box, is identical; the only difference is that the battery and charger are not included, reducing the cost of the purchase. This option is particularly appealing to operators looking into buying multiple 18 V battery-powered tools not intended for use all at the same time.

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100 [www.trumpf.com/presse/medienservice](http://www.trumpf.com/presse/medienservice)

## Legend

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### B01\_TRUMPF

TRUMPF is bringing new cordless power tools to the market, offering the following products with an 18 V battery: the C 250 slitting shears with chip clipper, the S 250 shears, the N 200 nibbler, the PN 200 and PN 201 profile nibblers, the F 300 and F 301 seam lockers, and the TF 350 power fastener.

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### B02\_TRUMPF

Dr. Axel Erber, head of International Sales Power Tools: "Our new cordless power tools deliver superior operational performance thanks to the new 18 V Li-ion battery, brushless motors and the battery-optimized aluminum gear head."



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### B03\_TRUMPF

When operators need to follow specific cutting lines, the integrated speed controller enables them to simply reduce the operating speed.



B04\_TRUMPF

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With their compact, lightweight design, and thanks to the soft-grip motor housing and optimum weight distribution, TRUMPF's new 18 V Li-ion tools are extremely comfortable to hold, allowing operators to work in maximum comfort and with minimal effort.



B05\_TRUMPF

With the cordless power fastener TruTool TF 350 TRUMPF offers an easy and economical alternative to connecting fasteners like rivets and screws. The result: form-fitting, corrosion-resistant joining.



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## About TRUMPF

TRUMPF is a leading global high-technology company that produces machine tools, lasers, and electronics for industrial applications. Products manufactured with the company's technology can be found in almost every sector of industry: vehicle and building technology, mobile devices, and modern energy and data storage. TRUMPF is the world technological and market leader for machine tools used in flexible sheet metal processing, and also for industrial lasers.

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In 2014/15 the company – which has approximately 11,000 employees – achieved sales of 2.72 billion euros. With some 70 subsidiaries, the TRUMPF Group is represented in almost all the countries of Europe, North and South America, and Asia. It has production facilities in Austria, China, the Czech Republic, France, Germany, Great Britain, Italy, Japan, Mexico, Poland, Switzerland, and the USA.

## Power tools from TRUMPF

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Power tools for sheet metal processing have long been part of the TRUMPF tradition. In 1934, the company introduced the first motor-operated hand shears for cutting sheet metal, thus laying the foundation for the comprehensive sheet metal expertise of the entire corporate group. As with stationary machines for punching and molding, for laser processing and bending, the sheet metal specialists have also set standards as leaders in innovation for professional power tools.

The TRUMPF Power Tools business is headquartered in Grüşch, Switzerland. Its current product range covers power tools for cutting and joining sheet metal as well as forming weld edges. TRUMPF's portable, easy-to-use tools are used around the world both by customers in industry and by craftspeople.

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For more information about TRUMPF go to [www.trumpf.com](http://www.trumpf.com)

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If you have questions concerning the text or photographs, please contact k+k-PR GmbH.

For more information about the company, technology and products, please approach TRUMPF Werkzeugmaschinen GmbH + Co. KG directly.

We hope you will publish this press release.

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