



FEIN Power Tools Inc.  
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[www.feinus.com](http://www.feinus.com)

## **PRESS RELEASE**

### **For continuous use: ergonomic compact angle grinders**

FEIN ErgoGrip: more powerful, safe and durable with less fatigue

Pittsburgh, September 2015. FEIN introduces compact angle grinders with a new handle design: The narrow handle, extended toward the rear, makes FEIN ErgoGrip machines very handy and enables continuous work, almost without fatigue. They are particularly suitable for users in trade and industry who do frequent heavy grinding and cutting. The powerful, compact angle grinders with FEIN ErgoGrip will be available at specialty dealers.

#### **Ergonomic handle shape for continuous use**

So-called "rat tail" machines have been in use in North America for many years. One major benefit of this handle shape – which is virtually unknown in Europe – is a secure grip and machine control with a defined hand position. Angle grinders are not held around the motor housing like baton machines, but by a narrow extended handle. All of the thrust is therefore applied in the direction of work. FEIN is the first manufacturer to offer this design in every performance class in the product range from 1,100 to 1,500 watts, including stainless steel processing.

This premium power tool manufacturer has over 100 years of experience in the development of angle grinders. "We have developed various handle designs in comprehensive studies and practical tests to find the optimal handle shape. Achieving maximum contact between palm and handle was our top development priority. FEIN has applied for a patent for this slim grip zone. The large contact area ensures that craftsmen use less energy and do not tire as quickly," said Rainer Warnicki, FEIN's product development manager. With weights starting at 5.3 lbs. (2.4 kg), the machines are among the lightest on the market.

#### **More control and safety**

The new compact angle grinders with FEIN ErgoGrip are equipped with a slim, convex handle. Thanks to a handle length of 4 3/4 in (120 mm), the machines can also be comfortably controlled, even when wearing heavy welders' gloves. They enable an excellent grip, so that even complex components can be processed flexibly. Angle grinders with FEIN ErgoGrip are optionally available with lockable or constant pressure switches (dead man's switch). Machines with dead man's switches turn off immediately if the craftsman releases the switch. They were specially developed for industrial sectors with very high safety requirements, such as refineries and container fabrication. Both variants are energy-saving, with twofinger operation.



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### **Industrial quality compact angle grinders**

Every FEIN angle grinder is developed, produced and assembled at company headquarters in Schwäbisch Gmünd-Bargau, Germany. Even under load, FEIN compact angle grinders work at a high, stable speed and achieve up to 30% faster material removal than competitive products in the same performance class, thanks to the high copper content in the motor. Furthermore, they achieve up to 30% longer carbon brush service life. This is achieved by perfect matching of the major components: motor, gearbox and special ventilation of the commutator/carbon brush system. A solid metal drive head makes the machine particularly robust and durable in heavy use. The drive head can be rotated in 90° steps, so an ergonomic working position can be adopted for both cutting and grinding work. They are equipped with a spindle lock. The safety guard is removable and non-slip. All equipment lines are supplied with an industrial cable thirteen feet (four meters) in length.

### **Three product lines**

Compact angle grinders with FEIN ErgoGrip are available in the same product series as the baton models, each with lockable or constant pressure switch.

Compact angle grinders with FEIN ErgoGrip in the Solid entry series are handy, 1,100 watt angle grinders with basic functions for deburring, grinding and cutting work. They work with 1,100 watts of input power and are designed for 5 in (125 mm) diameter grinding wheels.

Compact angle grinders with FEIN ErgoGrip in the Power product series have over 400 watts more power than the same-sized machines in the Solid product line, thanks to integrated POWERtronic tacho electronics. Extensive functions are also integrated to protect the user: a soft start allows the machine to start quietly and safely. After a power supply interruption, restart protection ensures that the angle grinder must be switched back on manually, eliminating the possibility of restarting accidentally. If the wheel jams, locking protection switches off the machine, so that it cannot twist in your hand. Electronic overload protection also prevents damage to the motor, with 1,500 watts of input power and 5-inch or 6-inch (125 or 150 mm) diameter wheels.

Inox series compact angle grinders with FEIN ErgoGrip and variable speed adjustment have been developed for stainless steel processing. Their infinitely variable speed can be set electronically between 2,500 and 8,000 RPM. Even in the lower range, the higher mechanical gear reduction provides a stable speed. This makes the machine ideal for grinding, satin finishing and brushing stainless steel.

FEIN compact angle grinders with FEIN Ergo Grip are available at specialty dealers. Find suppliers at: [http://www.feinus.com/en\\_us/dealer-repair/](http://www.feinus.com/en_us/dealer-repair/)



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You can also find FEIN on facebook and YouTube:

<http://www.facebook.com/FEINUS>

<http://www.youtube.com/user/FEINPOWERTOOLS>

High-resolution product photos and this text can be downloaded from:

<http://www.panama-pr.de/download/FEIN-CompactWS-ErgoGrip-US.zip>

**The company:**

**C. & E. Fein GmbH** invented the world's first power tool. Wilhelm Emil Fein founded the company in 1867. FEIN invented the first power tool – the electric hand drill – in 1895. Today this long-established company is a power tool manufacturer with an international reputation. This first-class German manufacturer develops and produces application solutions for the metalworking, interior construction, and automotive sectors and is the specialist for professional and extremely reliable power tools for industry and trades. FEIN holds more than 800 active property rights including approximately 500 patents and patent applications. FEIN products are distributed worldwide through 19 international subsidiaries and more than 50 agents. For over 140 years, the FEIN brand has stood for application solutions and premium quality.

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