

Festool, Wendlingen (Germany) – June 2021

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## **Press release for the technical press**

**WOOD**

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Infoline for reader and journalists

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## **Faster, firmer and more efficient**

### **New generation of circular saw blades from Festool**

**To complement the market launch of the new TSC 55 K and TSC 55 F plunge-cut saws, Festool is introducing a new generation of circular saw blades for all standard applications and materials. Combined with the new plunge-cut saws, the new saw blades offer users multiple benefits, ensuring optimal machining of a variety of materials. Sawing progress is doubled, service life is increased by 40 per cent – with the same cutting quality and running smoothness. In addition, the TSC 55 K cordless plunge-cut saw can saw up to 50 per cent more running metres on one battery charge.**

"We have developed the new circular saw blades together with the plunge-cut saws, which are ideally adapted to the requirements. This is the key element that makes this unique performance possible when sawing," says Michael Arnold, Product manager at Festool.

### **What's new on the new saw blades**

The new saw blade geometry, combined with new teeth shapes and optimised carbide saw teeth, offers a significant advantage when working. Festool has reduced the cutting width of the new circular saw blades from 2.2 mm to 1.8 mm, compared with the previous generation. The new saw blades can saw significantly faster – and what's more, less application

pressure and therefore less effort is required. Thanks to the reduced mechanical strain, more running metres can be sawed on one battery charge. In addition, reduced wear increases the service life of the saw blades, meaning you can work more efficiently and reduce costs.

### **Colour coding for easy identification of saw blades**

Plunge-cut saws and pendulum cover saws can machine a variety of materials. Festool therefore provides six different saw blades with a new design and colour coding for all standard applications and materials. The saw blades ensure that machining is efficient, cost-effective and high quality. Colour coding and comprehensible choices of names make identifying saw blades easier for different applications and materials. Yellow always stands for wood, red for laminate and HPL, blue for aluminium and plastic, and green for abrasive materials.

### **The correct saw blade for every application**

The new circular saw blades are made of special carbide. The geometry of the saw blades and configuration of the carbide or diamond saw teeth are optimally adapted for the applications and materials.



Festool has developed the **WOOD FINE CUT** saw blade, with 42 teeth and a trapezoidal cross-cut tooth configuration, for precise and splinter-free cross cuts in solid wood, coated or veneered panel materials and acrylic glass. The trapezoidal tooth relieves the cross-cut teeth, ensuring excellent running smoothness as well as a very long service life. This tooth configuration additionally ensures outstanding cutting quality.

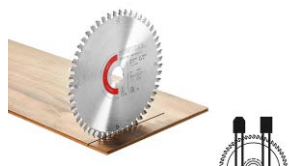


The **WOOD UNIVERSAL** saw blade, with 28 teeth positioned in a cross-cut tooth configuration, is ideal for all types of wood and wood materials as well as building panels and soft plastics. The cross-cut tooth configuration makes for an impressively smooth-running saw blade, long service life and perfect cutting quality.



The **WOOD RIP CUT** saw blade is ideal for rip cuts in solid wood. The cross-cut tooth configuration and large chip spaces facilitate fast and effortless sawing progress.

The **LAMINATE/HPL** saw blade is ideal for machining laminate and melamine-resin-bonded panels. Trapezoidal and flat teeth are arranged alternately on the saw blade. The robust tothing ensures the saw blade has a long service life.

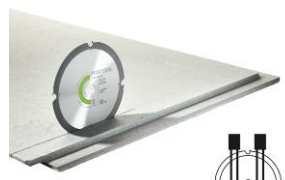


Aluminium sheets and profiles as well as fibre-reinforced and hard plastics pose particular challenges for machining. Festool provides the **ALUMINIUM/PLASTICS** saw blade for optimal machining here. The tothing of this saw blade



comprises a flat tooth with a variable chamfer. As a result, little effort is required for safe guiding and the machine does not jam.

For machining cement-bonded and gypsum-bonded chipboard and fibreboard, Festool has developed the **ABRASIVE MATERIALS** saw blade. The four saw teeth on the special saw blade are edged with polycrystalline diamond.

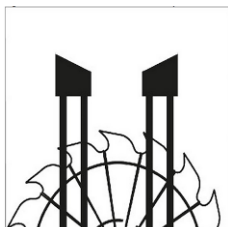


Further information about the new range of circular saw blades is available from specialist retailers and at [www.festool.co.uk](http://www.festool.co.uk)

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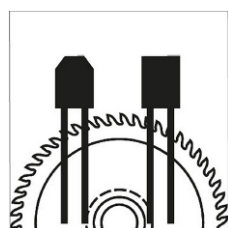
**Additional information on tooth shape and configuration**



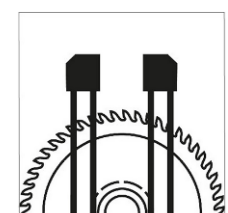
**Cross-cut tooth:** The teeth are slanted on the left and right and cut alternately. This reduces the load on the individual teeth. This causes the saw blade to run smoothly and have a longer service life. In addition, this toothing ensures ideal cutting quality.



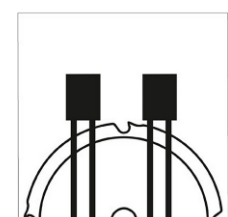
**Trapezoidal cross-cut tooth:** In addition to the cross-cut teeth, a trapezoidal tooth is used. This relieves the cross-cut teeth and ensures a high and even running smoothness as well as a long service life. Excellent cutting quality is also achieved here.



**Trapezoidal tooth:** Trapezoidal and flat teeth are arranged alternately. The trapezoidal tooth is responsible for sawing progress, while the flat tooth ensures a clean cutting edge. The robust toothing results in a longer saw blade service life.








**Flat tooth with variable chamfer:** The flat teeth are slanted on the left and right and cut alternately, thus relieving the individual teeth. This results in a consistent quality and a longer service life.



**Flat tooth:** The cutting edges of the teeth are straight. This makes the toothing robust. Each tooth cuts in the same way and is therefore used for hard materials such as steel and abrasive materials.

**Image preview**

	<p><b>Image: Festool-sawblade-01.jpg</b>          In addition to the new plunge-cut saws, Festool is offering six new saw blades for perfect work results. The new saw blade geometry, combined with new teeth shapes and new carbide saw teeth, allows users to work faster and for longer, and ensures an improved cutting performance and an extended service life, while maintaining a consistent cutting quality.</p>
	<p><b>Image: Festool-sawblade-02.jpg</b>          The <b>WOOD FINE CUT</b> saw blade – with 42 teeth and a trapezoidal cross-cut tooth configuration – has been specially developed for precise and splinter-free cross cuts in solid wood, coated or veneered panel materials and acrylic glass.</p>
	<p><b>Image: Festool-sawblade-03.jpg</b>          The <b>WOOD UNIVERSAL</b> saw blade, with 28 teeth positioned in a cross-cut tooth configuration, is ideal for all types of wood and wood materials as well as building panels and soft plastics.</p>
	<p><b>Image: Festool-sawblade-04.jpg</b>          The <b>WOOD RIP CUT</b> saw blade is ideal for rip cuts in solid wood. Furthermore, the large chip spaces and very positive chip space angles facilitate fast and effortless sawing progress.</p>
	<p><b>Image: Festool-sawblade-05.jpg</b>          The <b>LAMINATE/HPL</b> saw blade is ideal for machining laminate and melamine-resin-bonded panels. Trapezoidal and flat teeth are arranged alternately here. The robust toothing ensures the saw blade has a long service life.</p>



	<p><b>Image: Festool-sawblade-06.jpg</b>          The flat teeth on the <b>ALUMINIUM/PLASTICS</b> saw blades are slanted on the left and right and cut alternately, thus relieving the individual teeth. This results in a consistent quality and a longer service life.</p>
	<p><b>Image: Festool-sawblade-07.jpg</b>          The <b>ABRASIVE MATERIALS</b> saw blade is ideal for machining cement-bonded and gypsum-bonded chipboard and fibreboard. The four saw teeth on the special saw blade are edged with polycrystalline diamond.</p>

Image source: Festool GmbH