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journalists**
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A masterpiece significantly improved

Short info and interview on the new TSC 55 K plunge-cut saw from Festool

Festool has a new highlight for tradespeople of all trades. The German brand manufacturer has continued to make decisive improvements to its new plunge-cut saws: They will be able to saw twice as fast, and the TSC 55 K cordless plunge-cut saw will be available immediately with the unique KickbackStop.

In one's working life, often even just a millisecond is crucial: Kickback is the most common cause of serious injuries when using a plunge-cut saw. Particularly when plunging the saw blade into the workpiece, conventional plunge-cut saws may kick back when the saw blade tilts. This is why Festool focused on preventing dangerous kickbacks during further development.

Unique KickbackStop

The new cordless TSC 55 K plunge-cut saw is equipped with the newly developed, unique KickbackStop. This technology ensures that the saw blade on the plunge-cut saw responds to kickbacks and stops faster than the blink of an eye. The backwards movement is also stopped at the same time, thus preventing both injuries and damage to the workpiece.

Exceptional battery performance

With the new TSC 55 K, you will be able to work up to twice as fast in the future whilst also benefiting from a longer battery life. In other words: Maximum cutting power meets perfect cut quality. With this new development, Festool is dispelling the preconception that cordless saws cannot deliver the same performance as corded tools. The combination of the latest generation of brushless EC-TEC motor technology and dual battery system (2x18 V) makes the new TSC as powerful as a mains-operated plunge-cut saw and provides mobility at the same time. The latest saw blade generation also ensures both fast work progress and precise cutting quality.

Corded power

The corded variant of the new plunge-cut saw – the TS 55 F – now also saws up to twice as fast. With a reduced cutting width, new teeth shapes and new carbide saw teeth, the new saw blades, which are perfectly designed for plunge-cut saws, ensure a high degree of cutting quality and extended service life – while maintaining a consistent cutting quality. The system is rounded off with clever system accessories such as guide rails, angle stops, a saw table and tried-and-tested details such as a splinter guard and a dust extraction system perfectly suited to the tool.

INTERVIEW with product manager Boris Seyfried at Festool

Product manager Boris Seyfried has seen the new plunge-cut saws through from the idea to market launch and answers a few questions about them below:

How long did it take to develop the new plunge-cut saws?

BS: We based this further development on our tried and tested TSC 55 and TS 55 R plunge-cut saws. It's taken us around two years to develop the new saw blade generation and the unique KickbackStop.

What is the development process for a new tool at Festool?

BS: To tailor product features precisely to specific requirements, we establish close working relationships with professional tradespeople, in which we continually look for solutions to their most important day-to-day needs. We then start with prototypes at the workshops and get feedback directly from the users. In addition, tradespeople from all relevant trades work for us and with us on product development – from the idea through to market

launch. In parallel to the practical tests at our customers, our products are subjected to tough, week-long practical tests in our company's own testing laboratories and test stations. This is how we find and rectify even the smallest weaknesses long before series production. Only when robustness, reliability and service life are clearly proven are the products actually rolled out to the specialist retailers.

How does the new KickbackStop work?

BS: Our new KickbackStop technology is an active technology with which a kickback can be detected in good time. During sawing with the TSC 55 K, the KickbackStop's feeler wedge rests on the guide rail or on the material that is to be processed. If there is a kickback when sawing or plunge-cutting into the workpiece, the KickbackStop sensor wedge detects this immediately and initiates a rapid stop practically at the same time. This stops the plunge-cut saw from moving backwards unpredictably and therefore minimises the risk of injury. Important to know: The KickbackStop technology works without causing damage and is ready for immediate use again once it has been triggered, without needing to replace the saw blade or any other components.

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PROFESSIONAL TIP Avoid kickback and saw safely

- Support tools with large boards to reduce the risk of kickback due to the saw blade getting stuck.
- Always place your other hand on the additional hand grip so that the tool can be properly controlled.
- Do not use blunt or damaged saw blades as this is an additional potential hazard for kickbacks.

The new plunge-cut saws and saw blades are available from specialist retailers. Further information is available at www.festool.co.uk

Total approx. 5.077 characters (including spaces)

Technical data

	TSC 55 K Cordless plunge-cut saw	TS 55 F Mains-powered plunge-cut saw
Power	18/36 V	1200 W
No-load speed rpm	2650–3800/5200	2000–5800
Saw blade diameter	160 mm	160 mm
Angle range	-1° to 47°	-1° to 47°
Cutting depth	0–55 mm	0–55 mm
Cutting depth at 45°	43 mm	43 mm
Dust extraction connection diameter	27/36 mm	27/36 mm
Weight	5.3 kg (2 x 18 V) 4.6 kg (1 x 18 V)	4.5 kg
SafetyKickbackStop	Guide wedge Quick-acting brake	Quick-acting brake

Image preview



Image: Festool_TSC55K_00.jpg

The new decisively improved generation of TSC 55 K cordless plunge-cut saws has made dangerous kickbacks a thing of the past, and is now complemented by intelligent KickbackStop. A sensor detects a tool jam in the blink of an eye and stops the motor within a fraction of a second. This reduces the risk of injury to a minimum.

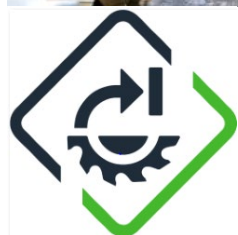


Image: Festool_TSC55K_01.jpg



Image: Festool_BorisSeyfried.jpg

"Dangerous kickbacks will be a thing of the past with our new cordless plunge-cut saw, as we have made it even safer with the new unique KickbackStop", explains Boris Seyfried – product manager at Festool.



Image: Festool_TSC55K_02.jpg

No more dangerous kickbacks. The cordless plunge-cut saw is now even safer: The unique KickbackStop not only protects the workpiece but also minimises the risk of injury. In the blink of an eye, it reduces the risk of injury from kickback when sawing and plunging the tool into the workpiece.



Image: Festool_TSC55K_03.jpg

From April, in addition to the new plunge-cut saws, Festool is also offering six new saw blades for perfect 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. Three saw blades for wood materials (WOOD RIP CUT, WOOD UNIVERSAL and WOOD FINE CUT, one saw blade for laminate (LAMINATE/ HPL), one saw blade for aluminium and hard plastics (ALUMINIUM/ PLASTICS) and a diamond saw blade for all cement-bonded and gypsum-bonded chipboard and fibreboard (ABRASIVE MATERIALS).



Image: Festool_TSC55K_04.jpg

Achieve a top-class work result with the right saw blade.



Image: Festool_TSC55K_05.jpg

The TSC 55 K cordless plunge-cut saw is just as powerful as a mains-powered tool, thanks to its brushless EC-TEC motor. It also offer full mobility thanks to its intelligent dual battery system (2 x 18 V).



Image: Festool_TSC55K_06.jpg

The KickbackStop can be manually deactivated, for example when working without a guide rail on uneven material. The advantage: The KickbackStop is automatically reactivated the next time the saw is switched on.



Image: Festool_TSC55K_07.jpg

If the KickbackStop has been switched off, it is automatically reactivated.



Image: Festool_TSC55K_08.jpg

With the clip-on splinter guard in combination with the guide rail, you can saw virtually splinter-free on both sides.



Image: Festool_TSC55K_09.jpg

Dust collection bag: Clean work, even without a mobile dust extractor Filling volume for 5–10 cutting metres (incl. sawing close to the edge)



Image: Festool_TSC55K_10.jpg



Image: Festool_TSC55K_11.jpg

	<p>Image: Festool_TSC55K_12.jpg</p>
	<p>Image: Festool_TSC55K_13.jpg</p>
	<p>Image: Festool_TSC55K_14.jpg The new TSC 55 K cordless plunge-cut saw and the equally new TPC cordless percussion drill are an unbeatable pairing in any work situation – whether being used for sawing or screwdriving.</p>
	<p>Images: Festool_TS55F_01.jpg 01 to 14 There are images of the mains-powered TS 55 F available for download in different applications and for different target groups.</p>

Image source: Festool GmbH