

FESTOOL

MAGAZINE.

THE ISSUE FOR PAINTERS.

#11

AUTUMN 2022

NOW OR NEVER?

NEW TECHNOLOGIES FOR THE
FUTURE OF THE TRADE.

THE FUTURE OF WORK

FOCUS WHY THE FUTURE OF PAINTING STARTS TODAY 04

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EDITORIAL

Dear readers,

The world of work is constantly changing. Innovative technologies and new ways of cooperating and doing business are taking us into the future. What drives us to help shape the **future of work** in the painting trade? We see ourselves as enablers and give our all to help you give yours. With outstanding tools and clever system solutions to make your everyday work easier.

Achieve excellent sanding results effortlessly and without fatigue with the **PLANEX LHS 2 225** long-reach sander, for example. We also shine a spotlight on three **cordless drills** in this issue to see what they can do. Our **cordless extractors** allow you to work dust-free in a cordless Festool system, without a single cord in sight. And as for **what the future has in store for Festool**? You can learn more about that too in this issue of the magazine.

All this is, of course, just a snippet of what we have to offer. If you want to know more, we recommend visiting our website, where you will find the complete range of tools and accessories as well as extensive user support with quick guides, videos and apps. We now also offer a product comparison function.

Dive in and let our magazine inspire you. We hope you enjoy it!

Yours sincerely,

A stylized, handwritten signature in white ink, likely belonging to René Kruk, the Managing Director of Festool Germany GmbH. The signature is fluid and cursive, with a large initial 'R' and 'K'.

René Kruk
Managing Director of Festool Germany GmbH

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THE FUTURE AT FESTOOL

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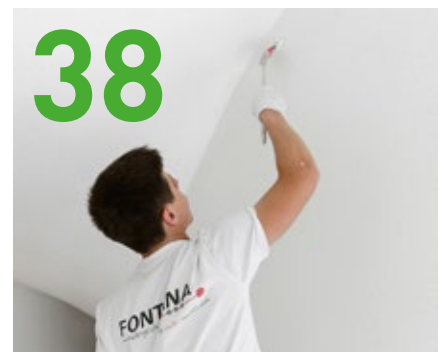
Tool tip

TOOL HOLDER

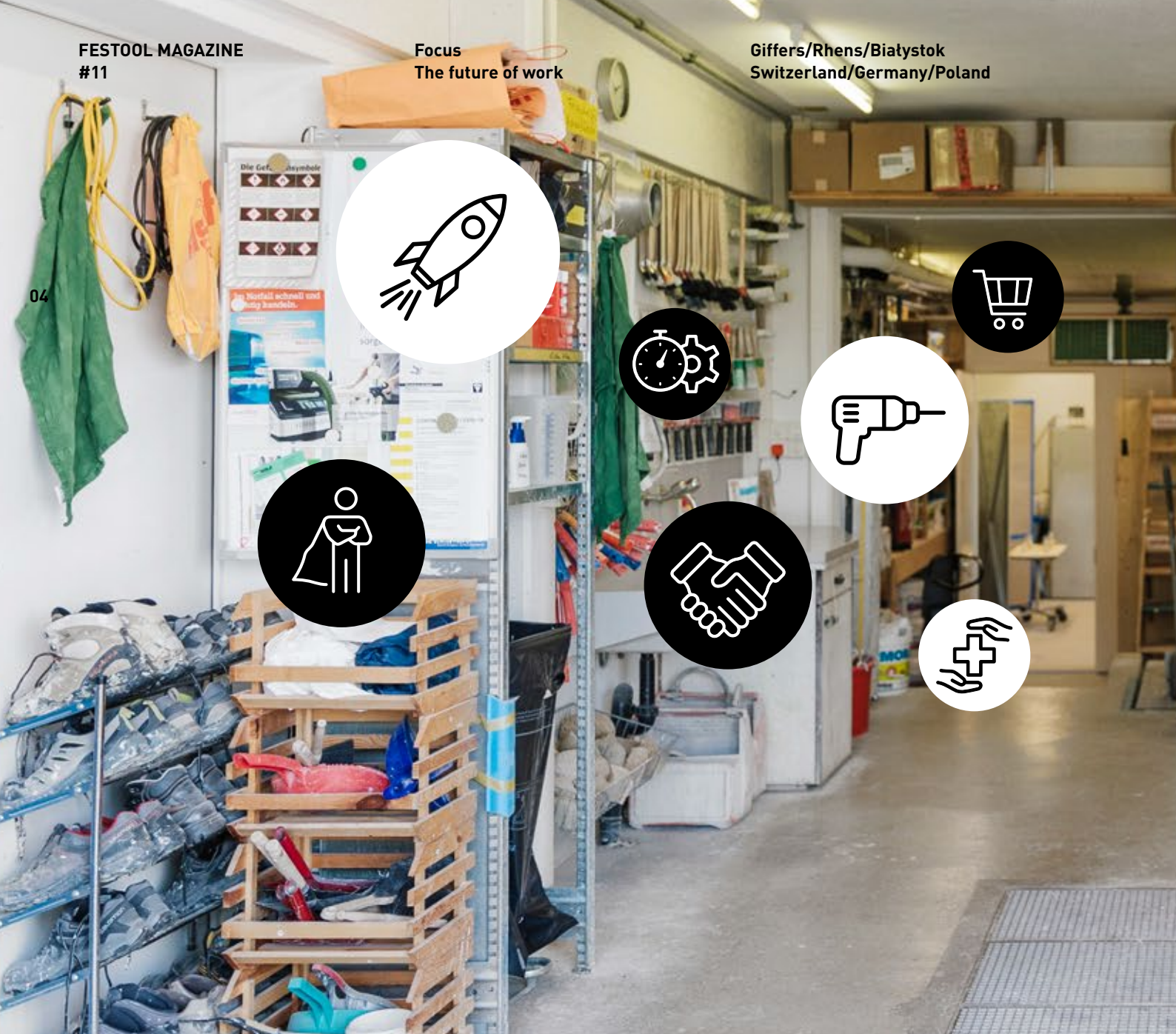
Our extractor and tool holder – the perfect place to lay down your long-reach sander.

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Legal notice



04



THE FUTURE OF WORK



The future is knocking loudly at the door; there's no mistaking it. It wants to be more digital and more sustainable – and so it should. Innovative tools and new technologies, new business models and ways of working are leading the way. What does this mean for the painting trade? Has the future already arrived? Let's take a closer look.

Text: **Ralf Christofori** | Photography: **Sven Cichowicz, KOLORAT, Tomasz Bakunowicz, Manolito Röhr**

**'PASSING ON KNOWLEDGE
AND SKILLS HAS ALWAYS
BEEN IMPORTANT
TO ME. I CONTINUE TO DO
SO TO THIS DAY.'**

Guido Fontana, Fontana und Söhne

→ When it comes to knowledge and skills, the Fontana family also benefits from the excellent advantages that tools bring.

↓ You never stop learning: Guido Fontana has internalised this mindset and passes it on to his apprentices as well.





Swiss precision.

Future is born
from skill.

What are the important points to bear in mind when it comes to the future of the painting trade? The answer given by the owner of painting business Fontana und Söhne in Giffers is very precise: 'Securing young talent.' The Swiss national knows what he's talking about as he spent years teaching at a vocational school: 'Passing on knowledge and skills has always been important to me. I continue to do so to this day,' says Guido Fontana. He's done especially well in this regard with Daniela Ziller. She learnt her trade as a painter with Fontana, and her talent and hard work helped her qualify for the Swiss national team and win the silver medal at WorldSkills 2019 in Kazan. She is currently training to be a restorer. Guido Fontana has two promising apprentices at the moment.

Mr Fontana has continued to develop his painting business over the years. He currently employs eight people and it's unlikely that this number will increase by much. 'Ten is the magic number,' explains Guido Fontana. 'Any more than that and I would need to restructure the business and its infrastructure completely.' Instead, he places his trust in cooperation. The number of painters in the area is high, he explains. But the thought that you can achieve more if you work together seems to be the prevailing one. This is why Fontana and a partner business work together when it comes to procuring large machines or deploying staff for larger projects. This is a model with a future as well.

Find out more about painting business Fontana und Söhne in this issue of the magazine.

» Article on page 38

**'USING EXCELLENT MACHINES
HAS ADVANCED OUR TRADE
TREMENDOUSLY. AND WE LOOK
FORWARD TO REAPING MANY
MORE REWARDS IN THE FUTURE.'**

Silvio Fontana, Fontana und Söhne

A paired future.

Colour consultations meet trade.

08

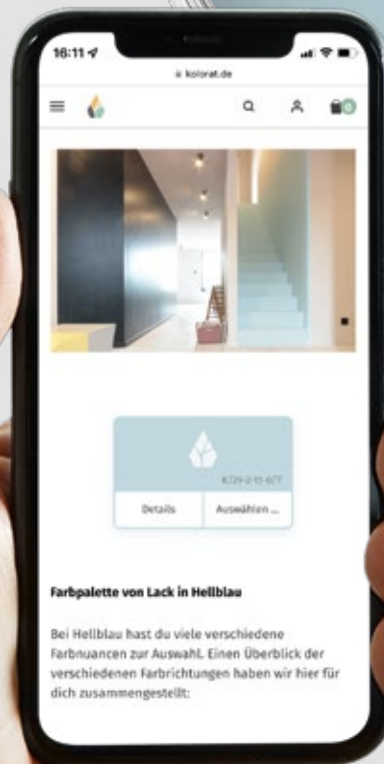
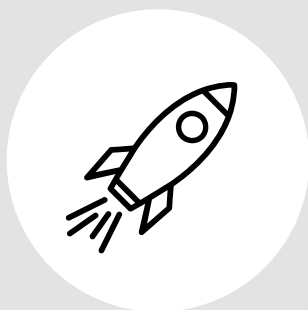
When two people join forces, it's not uncommon for them to have the best ideas for the future. Like Monja Weber and Sebastian Alt, for example. As a product manager, she spent a lot of her time looking into colours and interior design. He leads a seventh(!) generation painting business. Together they founded KOLORAT in Rhens near Koblenz. Their business idea: Developing their own colour palette as well as carrying out customer colour consultations and demanding paintwork. High-quality KOLORAT wall paints and clear coats are all produced locally and sustainably. When customers need a helping hand choosing colour schemes, Monja Weber is happy to help with her expertise – an online colour configurator allows her to advise each customer individually. If customers so wish, master painter Sebastian Alt carries out the paintwork to master level.

To ensure their idea was successful, Monja Weber and Sebastian Alt did not want to leave anything to chance before founding KOLORAT. 'We turned to Christoph Krause from Mittelstand-Digital Zentrum Handwerk because he is right up at the front of the pack when it comes to digitalisation,' explains Sebastian Alt. This made the two founders of KOLORAT quickly realise that going digital would ensure them a much greater reach. It should not come as a surprise that, as a painter, Sebastian Alt's main line of work continues to be local – it makes sense from a sustainability point of view too. But the fact that the current demand for KOLORAT products and online colour consultations goes well beyond local level is a real asset. This has enabled Monja Weber and Sebastian Alt to try new things and establish them, which bodes well for a promising future for both of them.



↑ Monja Weber and Sebastian Alt are a single source provider for high-quality colours, design consultations and demanding paintwork.

↓ Their online KOLORAT colour configurator helps them to advise customers individually.



**'THE ADVANTAGE OF OUR
BUSINESS MODEL IS THAT
WE APPEAL TO A WIDE NUMBER
OF DIFFERENT CUSTOMER
REQUIREMENTS. IT'S A WIN-WIN
SITUATION FOR ALL.'**

Monja Weber, KOLORAT



Why the future starts today.

Christoph Krause has been advising businesses in the skilled crafts and trades on the adoption of digital technologies for 12 years now. We asked him what will be important in the future.

FM: The future world of work will undoubtedly be more digital. In your opinion, how well prepared is the painting trade for this future?

CK: There is no such thing as a non-digital trade any more. Quite the opposite. We receive so many requests every single day at the Mittelstand-Digital Zentrum Handwerk: How can I set up straightforward interfaces between my digital tools? How can digital input screens and forms be simplified? How can we use automated processes to claw back more time for our actual craft? On average, painters today use up to 10 different software tools, programs and apps.

FM: Your motto is: 'Let's simplify'. That sounds simpler than it is though, doesn't it?

CK: We need to learn to simplify digitalisation in an intelligent way. It's complex, not complicated. Often, painting businesses are so busy that they don't have the time for sustainable implementation. My recommendation in this situation is to prioritise which digital processes these businesses want to develop further and which they do not.

FM: Do woodworking businesses have to keep up with digitalisation in order to be fit for the future?

CK: Definitely! The digital business environment is evolving rapidly in all areas. The skilled trades and crafts have to keep up – and even be out in front in some aspects. Our many real-life examples from the painting trade are evidence of this, and they also show how it is working. If you don't have digital access to customers or up-and-coming talent, things will get much harder as we move into the future. So roll up those sleeves and 'let's simplify'!



CHRISTOPH KRAUSE

Christoph Krause is the head of the Koblenz demonstration centre at the Mittelstand-Digital Zentrum Handwerk. The 'simplifier' and forward thinker can also often be found sharing his ideas about the future world of work, either in person or in the digital realm.



↑ When Tomasz brings his tool collection to a construction site, customers not only notice this, but appreciate it too.

→ Completing his work quickly, efficiently and cleanly is of utmost importance for Tomasz Bakunowicz.



**'I WANT MY BUSINESS
TO BE SYNONYMOUS WITH
RELIABILITY AND QUALITY,
AS WELL AS BEING ASSOCIATED
WITH MODERN TOOLS.'**

Tomasz Bakunowicz



Big plans.

With innovative and digital tools.

Tomasz Bakunowicz lives and works in Białystok, which is approximately two and a half hours drive from Warsaw (in a north-east-erly direction). He is a qualified painter and a graduate construction engineer. What he does, he does well. One of his core principles is: 'The better I as a specialist want to be, the better and more innovative the tools need to be to help me to fulfil my talent and potential.'

Tomasz can't hide the fact he's impressed by Festool tools and the whole Festool system. Why? 'Because without expanding the tool collection and using increasingly perfect tools, meeting customer expectations becomes difficult.' And he has repeatedly experienced something that makes him smile: 'When I enter the construction site with my Festool tools and do my work efficiently and cleanly, my customers very much appreciate that.'

Now Tomasz Bakunowicz is 34 – the ideal time to make grand plans. And he has. In 2015, he founded his own company and made a name for himself by carrying out demanding work and delivering the highest quality. It's already very hard to beat what he does. But he wants more. A larger company with highly qualified employees and lots of time to train the younger generation.

What does he think is important to bear in mind for the near and distant future? 'Efficiency at work,' explains Tomasz. 'At the same time, I need to look after my own health as well as the health of my employees. Tools that are safer to use and designed in such a way that they make working easier, help us do this.' Tomasz Bakunowicz has, of course, already gone digital: Festool's apps help him at work, whereas the relevant social media channels help him with his own marketing.



Scan the QR code to find out more about Festool Connected and our fantastic apps.

FESTOOL CONNECTED THE FUTURE IS DIGITAL

With Festool Connected, we offer you intelligent products and smart apps that are perfectly tailored to our tools and can optimally support you in every work situation. See it as a digital extension of the Festool system.



FESTOOL ORDER APP

With the Order app, you can find Festool tools, matching accessories and consumables and order them directly from the dealer. Whether you're in the workshop or out and about. And because something is always needed somewhere, you can share your digital shopping list with employees as well.



FESTOOL WORK APP

The Festool Work app adds a host of great new functions to your tools. You can use your smartphone to dim the LED light on the PLANEX LHS 2 225 or enable left-handed mode on the QUADRIPE TPC 18/4 cordless percussion drill, easily connect your tools and battery packs – and even locate them.



FESTOOL HOW-TO APP

The How-to app helps if you get stuck while working. In explanatory videos, Festool experts provide valuable tips on the use of Festool tools. The videos are divided into individual sections so you can quickly find the advice you need.



FIRST CHOICE



When you're spoilt for choice, you consider your options very carefully. We have three excellent cordless drills – with and without percussion, or even with a hammer – fighting for that top spot. But they are all first choice, as each has its own strengths.



TPC 18/4

Drilling and screwdriving with KickbackStop

The QUADRIVE TPC 18/4 cordless percussion drill impresses with its immense power and versatility. It is extremely tough, but it knows its user's limits. This is because the new KickbackStop ensures greater safety when drilling and screwdriving.



Added safety

The QUADRIVE TPC 18/4 comes with the electronic KickbackStop. If the tool jams, the motor stops within a fraction of a second. This minimises the risk of you twisting your wrist if the drill suddenly gets caught on something.

Pure power.

With four gears for every application.

15

The three cordless drills showcased here are all fantastic. They can do a lot, have grit and intelligence and make great work companions. Which one you decide on depends, above all, on what you need, how you'll use it, and what you expect from the drill that you ultimately choose. If you follow this approach, you can't go wrong.

The newest of the three

The QUADRIVE TPC 18/4 cordless percussion drill is extremely robust and resilient, whether you are working with tiles, brickwork or wood. If the TPC 18/4 had muscles, it would flaunt them. This drill actually gets its immense power from its extraordinary drive concept: Equipped with a four-gear metal gearbox (hence the name QUADRIVE) and a new-generation brushless EC-TEC motor, it consistently delivers rapid work results without tiring. When drilling into brickwork, the hammer mechanism provides valuable support.

And to make sure that you don't accidentally hurt your wrist when harnessing all this power and speed, Festool has developed something rather special: The electronic KickbackStop, which provides greater safety when screwdriving and drilling. The TPC 18/4's tremendous versatility really shines through when it comes to tool changes. The smart FastFix interface enables attachments to be changed quickly without the need for tools – so you can switch between drilling, countersinking and screwdriving in no time.

Our recommendation: The powerful QUADRIVE TPC 18/4 is the best cordless percussion drill around for challenging screw insertions!



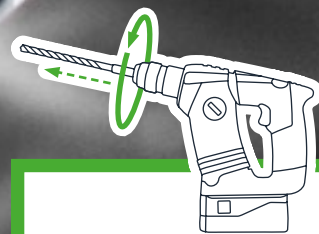
Check out our QUADRIVE TPC 18/4 cordless percussion drills in action.

BHC 18

The cordless hammer drill for the toughest demands

The BHC 18 is top of the 18 V class with the best weight/performance ratio. The cordless hammer drill enables effortless drilling in solid construction materials such as concrete and dowelling in insulation work without fatigue.

» festool.co.uk/@576514



Unbeatable force

In combination with the pneumatic hammer mechanism, the BHC 18 cordless hammer drill generates very high axial impact power. A stroke rate of maximum 4895 impacts per minute is impressive.

Drilling at its best.
This drill is fantastic.

The BHC 18 cordless hammer drill combines maximum performance with a low weight. It weighs just 2.5 kg (incl. 4.0 Ah Li-HighPower Compact battery pack). The brushless EC-TEC motor makes the BHC 18 robust and powerful. With the powerful support of the pneumatic hammer mechanism, drilling in concrete, stone and masonry is fast and powerful. However, power is by no means everything. You can use the main switch with acceleration function for controllable power. The inte-

grated vibration damping absorbs and cushions the impact energy before it is transferred to your hands. The compact C-shape and balanced weight distribution of the cordless hammer drill ensure that the machine fits perfectly in the hand in every work situation.

Our recommendation: If you want to achieve some serious speed when drilling the hardest of materials, the BHC 18 wins the race hands down.

Quicker changes. Maximum flexibility in a compact form.

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The T18+3 is lightweight and so perfectly balanced in your hand that you hardly feel it. The compact cordless drill really makes use of these qualities when working in tight spaces or during assembly work in dry mortarless construction above your head. The fully electronic torque setting and switch-off ensure optimum power delivery in every situation – even when switching between screwdriving and drilling. And with the CENTROTEC rapid tool-change system, the T18+3 is a real all-rounder.

Our recommendation: The super-light and compact T18+3 is a universal drill that is an absolute must-have for assembly work!



More power in the battery pack

Never before has strong performance been so long-lasting: The high-current-resistant battery cells in the 4.0 Ah Li-HighPower Compact battery pack offer 30% more endurance and 30% more power compared to standard lithium-ion cells.

T 18+3

Rapid drilling and screwdriving

The T18+3 cordless drill is ideal for all common assembly jobs. It uses only the power needed – no more, no less. The FastFix interface and CENTROTEC rapid tool-change system guarantee lightning-fast tool changes.

» [festool.co.uk/@576447](https://www.festool.co.uk/@576447)



We have a whole host of accessories, so that you ...

18 The right accessories for every application are available for our cordless screwdrivers and drills. They are absolutely essential: When you need to work quickly, when you are screwdriving without stopping, when conditions are tough or when drilling generates large quantities of dust.

DD-DC depth stop

Maintaining a uniform screwdriving depth while driving in screws is easy thanks to the adjustable depth stop. The narrow tip allows a good view of the screwdriving area. The depth stop is suitable for all Festool C and T cordless drills with the FastFix fixture (except CXS/TXS).

DC UNI FF depth stop

The adjustable depth stop with integrated claw coupling features a rubberised guard ring for impression-free screw fittings. This makes it ideal for sensitive surfaces in façades or patio construction.

EX-UNI eccentric attachment

AN-UNI angle attachment

KC 13-1/2-MMFP keyless chuck

The keyless chuck can be used on all drills and impact drills, as well as drilling and impact drilling machines with a FastFix interface. The freely rotating guard ring prevents damage to the workpiece, while the locking device prevents the unwanted release of the tool.

WH-CE CENTROTEC tool chuck

The CENTROTEC tool chuck is compact, lightweight and unassuming, yet intuitive and unbelievably effective: Simply insert the required bit holder or drill bit and away you go! This clever product is one of a kind. And it's available from Festool.



... don't get into a twist when drilling and screwdriving.



Easily adjust the screwdriving depth. Large-scale screwdriving applications with a uniform screwdriving depth are extremely efficient using the depth stop. This makes the fitting of dry wall panels particularly easy.



Clamp by hand. The keyless chuck is placed on the machine without using tools, and clamped by hand. With a clamping range of 1.5 – 13 mm, it is ideal for all common drilling and screwdriving applications.



Replace quickly and without complications. The CENTROTEC tool chuck is 50% smaller and 80% lighter than a drill chuck. The flexibility and simplicity that the CENTROTEC offers when changing tools can't be beaten.



Effective drilling dust extraction. Drilling normally means keeping both hands on the machine. The Festool drilling dust nozzle effectively replaces the third hand because it removes sanding dust at the point of origin, directly at the drilled hole.



Tool underneath and accessories on top.

With the new Systainer with lid compartment, you always have the accessories you need, neatly stowed away and quickly ready to hand. The transparent lid allows you to see everything optimally. The bit and drill bit cases can also be integrated into the lid compartment.

FIND OUT MORE

Learn more about the CENTROTEC range of accessories:
» [festool.co.uk/accessory](https://www.festool.co.uk/accessory)

ILLUMINATING

The PLANEX LHS 2 225 long-reach sander is revolutionising work for painters and drywall builders. With the new long-reach sander, you can achieve perfect results thanks to the eccentric sanding motion. The LED light ring on the sanding pad, which acts as an integrated surface control light, is revolutionary. You can check the surface quality directly as you sand and save valuable time since no tedious reworking is required.

Text: **Ralf Christofori** | Photography: **Thomas Baumann, Torben Jäger, Tomasz Bakunowicz**



Visibly better.

More light for perfect surface finishes.

22

It is impressive how the light ring on the sanding head of the PLANEX LHS 2 225 glides over the ceiling. It looks as if it's firmly suctioned to the ceiling – and it really is. There's no doubt it's impressive. But it's what's going on beneath this that is astounding. A painter moves along seemingly without any effort and operates the long-reach sander without having to crick their neck and without their arms or back aching. Those who regularly sand large areas of high walls and ceilings know what that means. This is exactly what the PLANEX 2 was made for. And how!

Even easier for the perfect sanding result

The main question is: How can we make working with the long-reach sander easier for painters and produce even better sanding results? Festool has found several answers to this question and integrated them into the PLANEX LHS 2 225. This is why the all-round LED light ring on the sanding pad is much more than just a wonderful effect: It improves visibility and the LED light is so strong that it actually works like an integrated surface control light. This makes any defects and unevenness visible during sanding and eliminates the need for time-consuming reworking. This is efficient and achieves the perfect sanding result quicker. The eccentric sanding motion produces an excellent surface quality with no grooves. The optimised extraction channel even improves the suction power.

Easy to handle and flexible range

The PLANEX LHS 2 225 is really quick and easy to put together so you can start using it in just a few motions. With its 1.2m length and T-handle, it is the optimum size for 90% of all applications. The T-handle allows you to sand walls up to 2.50 metres high with the new long-reach sander without an extension. Plus up to two extensions can be attached. You can easily adapt the working length of the sander to the working environment using a practical single lever, even when working in tight spaces or with high ceilings.



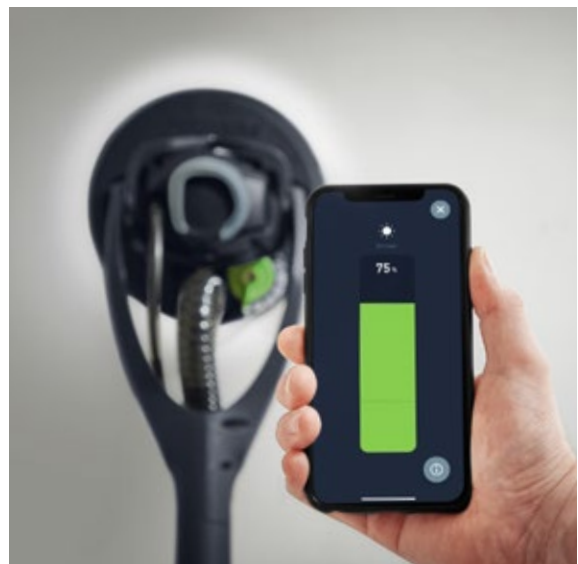
↑ The adjustable vacuum suction power against the wall and ceiling reduces the strain on the arms and back during all sanding work.

→ The 225 Granat Net and Granat abrasive paper deliver the ideal sanding performance with optimum dust extraction.

↓ Via the Festool Work app, you can dim the LED light ring, amongst other things.



Do you want to individually adjust your new PLANEX? You can find our Festool apps on our website or in the Apple App Store and Google Play Store.







**'THE NEW PLANEX IS SIMPLY
EXCELLENCE WITHOUT
COMPROMISE. YOU CAN FEEL
IT WHEN YOU'RE USING IT.
AND YOU CAN SEE IT WHEN
YOU LOOK AT THE SANDING
RESULT.'**

Tomasz Bakunowicz, painter, Białystok, Poland

Noticeably less strain.

Ergonomic and low-dust sanding.

Tomasz Bakunowicz, painter from Białystok, Poland, works a great deal with the long-reach sander. His 'old' PLANEX has quite a few working hours under its belt. The young painter describes what he likes in particular about the new PLANEX LHS 2 225: 'It simply provides me with solutions that make my work easier.' It can reach every corner easily, whether you are working on the ceiling or the wall. But what Tomasz considers to be even more important is this: 'The suction means less strain on my muscles and joints, which has a significant impact on how I feel after I finish working.' And because the PLANEX 2 achieves even higher surface quality thanks to the eccentric sanding motion, time-consuming costly reworking is doubly reduced – this is due to the LED light and the eccentric motion.

Systems get it done even better

Since perfect handling at Festool is always in a system, the sander, abrasive and dust extractor are perfectly coordinated with each other. The new 225 Saphir, Granat Net and Granat abrasives with a finer hole pattern also contribute to this. The hose clip provides simple attachment of the cable and suction hose on the handle. Tomasz considers dust-free sanding to be essential. The CTM 36 E AC PLANEX extractor is precisely designed for the high material removal rate of the long-reach sander. And the integrated tool holder on the mobile dust extractor proves that this tool is not just healthier, but also extremely practical – during work breaks, when getting set up and during transport. The PLANEX 2 is ideally stowed away in the new SYS³ XXL Systainer. Tomasz Bakunowicz always looks forward to the next time he can use the tool.

PLANEX LHS 2 225



PLANEX LHS 2 225 EQ/EQI LONG-REACH SANDER

- › **Sanding with optimal illumination**
The all-round LED light ring reveals unevenness on the surface during sanding – eliminating the need for time-consuming, costly reworking.
- › **A perfect surface, faster**
The eccentric sanding motion produces a perfect surface quality with no grooves.
- › **Effortless sanding without fatigue**
The adjustable suction power means that PLANEX holds its own weight against the wall and ceiling, significantly reducing the strain on the arms and back.
- › **Variable working length and greater reach**
The ergonomic T-handle gives the new long-reach sander greater reach already, but up to two extensions can be attached as well.

FIND OUT MORE

Discover everything about the new PLANEX LHS 2 225 long-reach sander on our website:
» [festool.co.uk/@576637](https://www.festool.co.uk/@576637)



UNCOMPROMISING PERFORMANCE

Whether for repair orders, warranty claims, protection against theft or spare part availability, you can rely on Festool's comprehensive service. You can access tool and warranty overviews and repair orders via your personal MyFestool account. See page 55 for more information.



LAHR

48° 20' N | 7° 52' E

WITH MOULD THERE CAN BE NO CHEATING

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Mould infestation indoors is not only inconvenient, it's also extremely dangerous to health. The mould needs to be removed professionally and carefully. Marco Müller and his father Wolfgang are adamant. And for good reason.

Text: **Ralf Christofori** | Photography: **Sven Cichowicz**

Encountering mould is no fun at all. Marco Müller has already made that clear. We meet at the painting business in Lahr where his father Wolfgang founded the business exactly 25 years ago. Marco is as old as the company itself – so actually still rather young. Following his training, he worked as an apprentice for three years, then completed a master apprenticeship as a full-time student and finished top of the class. At the end of 2020, he completed the 'Mould course' by the Bundesverband Schimmelpilzsanierung [Federal Association of Mould Remediation]. A thick folder of guidelines and regulations is lying on his desk. 'Theory is good, but most of what you need to know comes from practical experience,' explains Marco Müller. And he has gained so much of this in recent years that one folder would be completely inadequate.

The young master wants to share this experience with us. Together with his father, he takes us to a nearby construction site in an apartment block on the outskirts of Lahr. The walls and ceilings of the room in question are for the most part covered in stains of various shades – from grey to green and brown to black. On the ceiling, we can see smears where somebody has provisionally tried to contain the mould infestation: 'Futile and practically negligent,' Wolfgang Müller comments, shaking his head.



↑ The extent of the mould infestation can be seen on the display of the thermal imaging camera.

→ Marco Müller has everything he needs for the professional removal of mould in his work vehicle.

Mould removal requires professional competence

'There are two factors that play a key role in mould removal,' explains Marco Müller: 'One is the comprehensive diagnosis and damage review; the other is the competent assessment as to which necessary measures are required.' That sounds easier than it is – if you consider that there are hundreds of different types of mould, visible and non-visible, in the plaster or throughout the brickwork, in more or less sensitive environments, in private or public spaces... Exceptional professional competence is essential here. And professionalism does not simply mean a guarantee. With the Müllers, you can rely on both.



Recording damage and determining the necessary measures

'In many cases, the entire extent of a mould infestation only comes to light when we, as experts, really get to the bottom of the situation,' explains Marco Müller. To do this, he has an agent-style suitcase containing his 'secret weapons': Two hygrometers; Three moisture meters for walls that measure accurately and at depth. The digital thermal imaging camera is extremely important as it features a display showing the extent of the moisture in the walls. 'With it, we can see exactly what is going on under the surface and where the critical places are where the moisture is penetrating or spreading,' according to Müller.

At the same time, it is not always easy to confront those affected with the diagnosis and convince them of the need to take the corresponding measures. The seriousness of the situation is often underestimated. 'I remember when we discovered a mould infestation in a nursery,' recalls Wolfgang Müller, 'and the teacher thought she'd have to limit teaching for a couple of weeks. In actual fact, the entire nursery had to be evacuated and all the fixtures and fittings had to be disposed of. Our estimation that the mould remediation could take an entire year turned out to be true.'

**'IN MANY CASES, THE ENTIRE
EXTENT OF A MOULD INFES-
TATION ONLY COMES TO LIGHT
WHEN WE, AS EXPERTS,
REALLY GET TO THE BOTTOM
OF THE SITUATION.'**

Marco Müller

29

↓ The RG 130 ECI surface-restoration grinder is equipped with the appropriate diamond disc for removing the infested layers.





↑ When removing mould, Marco Müller always wears a protective suit and never works without the class H extractor.

→ Wolfgang Müller and his son Marco are very strict when it comes to their work – and for good reason.

**'I THINK IT'S EXTREMELY
IMPORTANT TO PROVIDE
HIGH-QUALITY WORK, BUT
THE MOST IMPORTANT
THING IS THE HEALTH OF
MY EMPLOYEES.'**

Wolfgang Müller



Careful, efficient and, above all, healthy working

Compared to the sensitive environment of the nursery, where the painting company had to install costly channels, shafts and ventilation systems, mould remediation in the apartment mentioned above is child's play. However, it is carried out with the same level of professional care. This is because there is no doubt that there is an imminent danger.

It looks a little bit overkill when Marco Müller and his employees turn up for work in the full gear. This includes a protective suit with a hood, respiratory mask, dustproof safety goggles, shoe covers and gloves. Only when dressed like so are they allowed to enter the inside of buildings infested with mould. Wolfgang Müller sets a good example: 'I think it's extremely important to provide high-quality work, but the most important thing is the health of my employees.'

Make work easier with the right system

Marco Müller is now preparing the surface-restoration grinder. The CLEANTEC CTH 26 mobile dust extractor with dust class H and HEPA main filter is an absolute must when extracting hazardous dusts. The machine springs to life at the push of a button and the extractor starts up. The material removal capacity is huge and the results are clear to see. Mould remediation is hard work, but it's much easier with the right tools and an efficient dust extractor.

We can only assume that Marco Müller is happy about this under his respiratory mask. But after the work is done, he is full of praise. For him, Festool is an integral part of the family business – and if we take a look in his van, the entire Festool painting family seems to be gathered inside. 'I get excited about the machines,' he explains, 'whether it's the new PLANEX long-reach sander, the mobile dust extractor or the working light.' And his father Wolfgang adds: 'What has always fascinated me about Festool is that fact that the individual tools along with everything else is perfectly coordinated as part of one system.'

Two master painters are absolutely adamant about this. Systematically. Not just for mould remediation. And for good reason.

Read about other exciting projects in the trade in our blog:
» festool.co.uk/blog

WOLFGANG MÜLLER PAINTING COMPANY

Wolfgang Müller founded his own painting company in Lahr in 1997. Today he employs around 15 people. His son Marco is paving the way for the future as a young boss. In addition to undertaking challenging interior designs and façade work, the painting company is also in demand as a certified mould remediation specialist.

HOW TO PROTECT YOURSELF

Healthy working is essential when it comes to tackling mould. To protect your skin and respiratory passages.



Work dust-free

You must use a mobile dust extractor with dust class H.



Protect your eyes from dust particles

Wear special tightly fitting dust or safety goggles.



Protect respiratory passages from mould spores

Wear a respiratory mask (at least FFP3).



Do not touch mould with your hands

Wear plastic gloves and dispose of them after use.



Keep skin and work clothing clean

Wear a disposable suit with a hood, shoe covers and dispose of it after use.

HOW TO PROTECT YOUR ENVIRONMENT

The risk posed by mould originates not just from visibly infested areas, but also from furniture, textiles and objects in the room. The following protective measures should always be observed.



Objects and fittings should be cleaned carefully or even removed.



Professionally clean textiles such as carpets or upholstered furniture or dispose of them entirely.



Floors must be completely covered before mould removal.



To contain the release of dust, it is recommended that surfaces to be treated are moistened slightly before material removal.



Protect yourself and your environment by using a mobile dust extractor with dust class H. You can find more information on our CTH 26 special extractor on the following page.

Mould remediation

There has always been more than one opinion on mould remediation – and various ways to reach the goal. Our partner, Remmers, has developed a professional, but also environmentally friendly, solution using natural products. We will present it to you in 12 working steps.

01



First check the substructure and cover the floors and equipment, then coat the affected surfaces with Remmers mould binder.



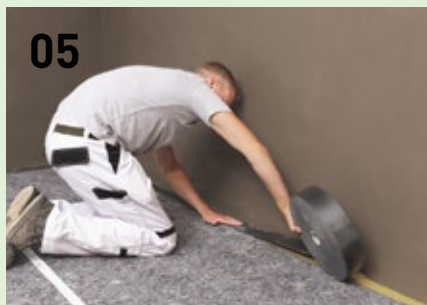
02
Remove defective areas of plaster and old coatings using the renovation miller or the surface-restoration grinder.



03
Mix PP Fix, an adhesive mortar for mould remediation, using the Festool MX 1200 stirrer and the HS3L mixing container.



04
Level off (up to 8 mm) the substructure using adhesive mortar PP Fix and a wide filling trowel.



05
Install partition wall strips for thermal and hygric isolation.



06
For full-surface adhesion of insulation panels, PP Fix is applied to the wall and panel using a toothed trowel.



07
Cut the wall connection panels to size using the Festool TSC 55 and guide rails. Where necessary, sand down any protruding joints with the ETS EC 150/5.



08
Fill the entire surface of the insulation panels attached to the wall using a toothed trowel and PP Fill.



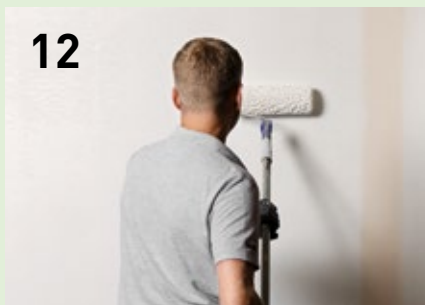
09
Using the smoother, integrate reinforcement fabric in the reinforcing mortar using overlapping, crease-free vertical strokes.



10
Mix iQ Fill fine plaster and fill. When hardened, the plaster is permeable and water-resistant.



11
Sand down the filled wall using the Festool PLANEX LHS 2 225 long-reach sander and the Granat Net P120-P180 abrasive.



12
Then prime the wall and use a silicate paint with natural mould protection for the coating.



Scan to see other how-to guides

FESTOOL SPOTLIGHTS

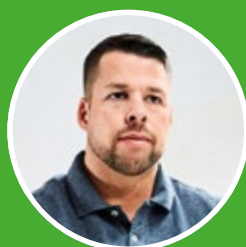
Demanding painters must be able to rely on optimum tools in every day work. However, because they do very different things, their preferences are correspondingly diverse. We asked three professionals about their favourite Festool products.

Text: **Melissa Berger** | Photography: **Sven Cichowicz, Torben Jäger, Thomas Baumann**



MARCO MÜLLER

The young master painter from Lahr, Germany, works for his father's business. His training and professional development focused on the area of mould remediation.



PHILIPP STAHL

In 2008, Philipp Stahl took his exam to become a master painter before he took over his father's business. He has been a Festool application technician since September 2017.



GUIDO FONTANA

Guido Fontana has managed the painting business in Giffers, Switzerland, which his father founded, for 32 years. His two sons now also work for the company.

The CLEANTEC CTH 26 is a specialist when it comes to extracting carcinogenic and pathogenic dusts such as mould or asbestos. Dangerous dusts stand no chance against the compact, high-performance turbine and 99.995% degree of filtration.

**'MOULD AND ASBESTOS
ARE A VERY REAL RISK FOR
US PAINTERS. FESTOOL'S H
EXTRACTOR IS INDISPENSABLE
FOR SUCH APPLICATIONS.'**

Marco Müller, Wolfgang Müller painting company
Lahr, Germany

CTH 26



35

SPECIAL EXTRACTOR FOR DUSTS IN CLASS H

- » **Convenient and reliable.** The reliable extractor for class H carcinogenic or pathogenic dusts.
 - » **Compact with high suction power.** Constant high suction power thanks to compact high-performance turbine, variable suction power adjustment and antistatic function.
 - » **Twice as safe.** Optimum volume usage of the filter bag in the container – even safer with double-layered safety filter bag.
- » [festool.co.uk/@577273](https://www.festool.co.uk/@577273)



Approved for dust class H

For carcinogenic and pathogenic dusts
(such as mould, asbestos, arsenic, lead).
Limit values $\leq 0.1 \text{ mg/m}^3$
Filter system filtration efficiency $> 99.995\%$





**'THE ETS FITS PERFECTLY IN
THE HAND AND I ALWAYS
HAVE A REASSURING FEELING
WHEN SANDING SURFACES
AND EDGES.'**

Philipp Stahl, Festool application technician
Wendlingen, Germany

The ETS EC 150 is the ideal one-handed sander for clear coats and mineral materials. It weighs just 1.2 kg and allows you to perform sanding work without tiring, even overhead. With the 5 mm stroke, the machine is ideal for intermediate sanding, and with the 3 mm sanding stroke, you can achieve the perfect finish.

ETS EC 150



ETS EC 150 ECCENTRIC SANDER

- › **Ergonomic and convenient.** The ETS EC 150 is perfectly built for manual operation and perfectly balanced. The active vibration protection ensures sanding that is not hazardous to your health.
 - › **Use the right material for the best results.** Thanks to the speed adjustment system, you can always adapt your work to suit the material. Sanding pads in three degrees of hardness ensure the best results for every application.
 - › **Better dust-free.** The eccentric sander and dust extractor are optimally coordinated and are particularly effective with the MULTI-JETSTREAM 2 sanding pad.
- » [festool.co.uk/@576323](https://www.festool.co.uk/@576323)

The ROTEX RO 150 can achieve three operations in one. It takes care of the rapid removal of old clear coats and layers of paint and the coarse sanding of filler with no problem at all. You can even polish using the ROTEX. Simply flip the switch to a different function and you're ready to go!

'FOR ME, THE ROTEX IS A UNIVERSAL GENIUS. BECAUSE NOT ONLY CAN IT DO A LITTLE BIT OF EVERYTHING, IT CAN DO EVERYTHING WELL.'

Guido Fontana, Fontana und Söhne painting business
Giffers, Switzerland

RO 150

37



ROTEX RO 150 GEARED ECCENTRIC SANDER

- › **Multi-talented.** The three-in-one tool for coarse sanding, fine sanding and polishing to the highest level.
 - › **Convenient to use.** It is easy to switch between the functions using the toggle switch and the sanding pad can be quickly changed without the need for tools thanks to the FastFix interface.
 - › **Optimum results.** Extremely high material removal capacity for coarse sanding, super-fine pattern for fine sanding and a perfect finish when polishing.
- » [festool.co.uk/@577175](https://www.festool.co.uk/@577175)



TIP TOP

‘Tip top’ is what Swiss Germans say when they deem something to be immaculate. Painting business Fontana in Giffers gives you a sense of how high this standard is. This is because high quality is of utmost importance for the boss and his two sons. And they certainly mean it.

Text: **Ralf Christofori** | Photography: **Sven Cichowicz**



GIFFERS

46° 45' N | 7° 12' E

40

We are driving through breathtaking countryside to the east of Freiburg, the capital of the Swiss canton, where little villages are nestled in among hillside meadows and small forest areas. Somewhere here lies the language border between German- and French-speaking Switzerland, known as the 'Röstigraben'. Where exactly it lies, can't be said. However, we know for a fact that German is spoken in our destination – Giffers. This is where Guido Fontana welcomes us in front of the workshop for his painting business early in the morning. Once inside, he shows us the neat and tidy workshop. Coffee is served in the office. Everything is perfectly organised.

Certain prejudice is best avoided. But then there is prejudice which – in a positive sense – is true. Those looking for outstanding quality made in Switzerland won't be disappointed by Fontana und Söhne. Quite the contrary. The father and boss of the family business prides himself on this. His sons Silvio and Marco, who are both qualified painting assistants, don't know any different. And their customers appreciate this. They are certainly not short of work.

Efficient working with the best tools and sustainable products

In the workshop, Silvio Fontana is sanding the frame and door of a switch cabinet using the RUTSCHER orbital sander from Festool – fitted with an extractor, of course. High shutters with beautiful cross patterns lean against the walls. These belong to Château Tschüpru, which was built in the 18th century and lies north of the neighbouring municipality of St. Silvester. They have been painted. 'We work almost exclusively with sustainable products that are long-lasting and better for your health,' emphasises Marco Fontana while showing us the storage areas for materials. Here you will have a hard time finding solvent-based paints. Instead, it is stocked with various mineral plasters and different colours of paint for indoor and outdoor use.

Next door is the storage area for tools with rows of tools in Systainers, screw and drill bits as well as abrasives – all neatly labelled. You will find everything there is to find in here. And quite easily too. Using state-of-the-art tools is indispensable for Guido Fontana, who places great importance on achieving precise results and perfect handling. 'For me, Festool is the Rolls-Royce among the tool manufacturers,' gushes the boss. 'But in both cases, the following applies: Optimum use of tools and systems can only be achieved when you know exactly how to use them.' This is often sidelined, he adds, but it is crucial for a qualified painter's knowledge and skills.

**'FOR ME, FESTOOL IS THE
ROLLS-ROYCE AMONG
THE TOOL MANUFACTURERS.
HOWEVER, OPTIMUM USE
OF TOOLS CAN ONLY BE
ACHIEVED WHEN YOU KNOW
EXACTLY HOW TO USE THEM.'**

Guido Fontana



↑ In 2017, Guido Fontana opened a new building with a showroom in which he can show customers specific designs and painting techniques.

→ Occasionally, work is carried out by hand at Fontana, yet the preference is to use the best machines and, almost exclusively, sustainable materials.









Because his employees primarily work outside on construction sites, Guido Fontana takes us for a ride in his van. Just a stone's throw away from the workshop, three of his employees are painting an open living space for a private customer. She opens the front door for us. The top priority is clean working – not because the lovely lady is constantly checking on how things are going, but because she is living in the house while the painting work is going on. The boss can be sure that everything is in order.

And because he happens to be on site, he takes the opportunity to have a quick chat with Alain Aebischer, who is in his second year of his apprenticeship. Apprenticeships are extremely important for Guido Fontana. 'Young people are our future,' says Guido Fontana, who himself taught students at a vocational school for many years. 'My sons have enjoyed a very good education. And I am glad that they have decided to enter into a profession which they have put their heart and soul into, and to one day take over the business. What is equally important is that we train new up-and-coming talent that knows their craft.' A new female apprentice will be joining and helping the team soon.

Quality based on knowledge, skills and experience

Two villages along, we bump into Mr Fontana's son, Marco, again. He is working on the façade of a detached property. This type of work has never been easy, but the increase in various insulation materials has made it more demanding. 'We need to know the material we are working with very well, along with how it behaves in certain outside temperatures or humidity,' explains Marco Fontana. Experience will help with this, of course, but also the use of modern tools and knowing how to use the various application methods. He is working with just one other colleague today, but tomorrow, when the façade plaster is applied in one work step, there will be quite a few more. Then every single one of them will make a difference – to ensure that everything is 'tip top' at the end.

Read about other exciting projects in the trade in our blog:
» festool.co.uk/blog

↑ Fontana works on many construction sites in the surrounding towns and villages, where even the drive to work is a thoroughly enjoyable experience.

← For new build façades, Fontana uses mineralised plaster, which he works to a smooth or structured finish, e.g. plaster with a broom finish.

**'FOR INSIDE AND OUTSIDE
AREAS, WE ALMOST
EXCLUSIVELY USE SUSTAINABLE
PRODUCTS, WHICH ARE
BETTER FOR YOUR HEALTH
AND LONG-LASTING.'**

Marco Fontana

FONTANA UND SÖHNE GMBH

In 1957, painter Linus Fontana founded his painting business in Giffers, Switzerland. Guido Fontana has been leading the company very successfully since 1990. His wife Anna as well as their two sons Silvio and Marco became part of the family business in the early 2000s. In 2017, Guido Fontana extended the business by erecting a new building with a showroom and storage area.



ALWAYS BY YOUR SIDE

If you want to be as mobile and independent as possible, then cordless tools are the way to go. With our new cordless extractors, you can now work dust-free without any pesky cables!

Text: **Melissa Berger** | Photography: **Torben Jäger, Thomas Baumann**

THE NEW CTC MINI/MIDI
CORDLESS EXTRACTORS
PROVIDE COMPARABLE
POWER TO THAT OF CORDED
EXTRACTORS AND IMPRESS
WITH THEIR COMPACT,
MAINS-FREE SUCTION.

↓ Whether you are sanding, drilling, cleaning or sawing – our new cordless extractors are perfectly tailored to Festool cordless tools.



CTC MINI/MIDI

45



COMPACT, CORDLESS MODELS WITH POWERFUL DUST EXTRACTION

- › **Dust-free work in a cordless system.** For extracting small to medium quantities of dust. The compact yet powerful cordless extractors with dual battery system 2 x 18 V (4.0/5.2).
- › **Mobile and independent.** The extractors can be used in combination with cordless tools to work completely independently of mains power. They are also conveniently connected via innovative Bluetooth® technology.
- › **Suction power** can be adjusted in three levels. The right suction power can be selected for the application, which also extends the battery run time.
- › **For universal use.** The extractors can be seamlessly combined with the Festool 18 V system, whether for mobile sawing, sanding or drilling applications
- › Container volume: **10 l (MINI)/15 l (MIDI)**
- › Weight: **Approx. 12 kg (without batteries)**
- › Battery-powered: **2 x 18 V (4.0/5.2 Ah)**

FIND OUT MORE

Visit our website to find out how our CTC MINI and MIDI cordless extractors perform in cordless applications:
» [festool.co.uk/cordlessextractor](https://www.festool.co.uk/cordlessextractor)

The CTC MINI is available in dust class L, while the CTC MIDI is available in dust classes L and M.





CUMBERSOME CABLES
WEIGHING YOU DOWN? THAT'S
YESTERDAY'S PROBLEM!
THE NEW CTC SYS, FESTOOL'S
CORDLESS SOLUTION, WILL
SET YOU FREE - FROM CABLES
AND DUST.

The new CTC SYS in Systainer format is the first choice for service work and small tasks. If you need to quickly give something a few finishing touches with a cordless tool or if you want to clean the construction site at the end of the day, for example, the CTC SYS makes this quick and easy. Without a cable in sight. Anywhere.

CTC SYS

47



THE FIRST CORDLESS EXTRACTOR IN THE SYSTAINER FORMAT

- > **As powerful as a corded extractor.** Ideal for service work and small tasks with minimal dust. Supplies full power even without a mains power supply thanks to the two 4.0 Ah Li-HighPower Compact battery packs.
- > **Mobile and independent.** Work dust-free without pulling cables, even in awkward corners, on ladders or scaffolding, whereby the tools are conveniently connected via innovative Bluetooth® technology.
- > **Suction power** can be adjusted in three levels. The right level can be selected for the application, which also extends the battery run time.
- > **Maximum flexibility and can be neatly stowed away.** The extractor is easy to carry over your shoulder using the shoulder strap and can be seamlessly integrated into bott vehicle equipment for transportation.
- > Container volume: **4.5 l**
- > Weight: **7.6 kg (without batteries)**
- > Battery-powered: **2 x 18 V (4.0 Ah)**

FIND OUT MORE

Visit our website to find out how to use the CTC SYS to work dust-free wherever you are and completely independently of the mains power supply:

» [festool.co.uk/cordlessextractor](https://www.festool.co.uk/cordlessextractor)

The CTC SYS is available in dust classes L and M.



← The new Festool cordless extractors make perfect companions on the construction site – you can even carry the CTC SYS over your shoulder.

THE FUTURE AT FESTOOL



WEILHEIM/TECK

48° 37' N | 9° 32' E

Festool has built a new, ultra-modern assembly plant in Weilheim/Teck. In impressive style, too: The production environment is equipped with the latest production technology yet is also sustainable. For employees. For customers. For the future.

49

Text: **Ralf Christofori** | Photography: **Thomas Wagner, Jens Uttikal**



Ground-breaking.

Production in perfect harmony.

50

Tradition is mandatory. Guided by the future. In 1951, over 70 years ago, Gottlieb Stoll found in Neidlingen the perfect place to build tools for the toughest demands. When Festool was established in 2000, the production technology at the Festool plant in Neidlingen was completely revolutionised. The plant won multiple awards in the years that followed, including 'Factory of the Year' in 2008. The future has now also arrived in nearby Weilheim/Teck, in the form of a 12 metre high and almost 100 metre long assembly hall with canteen and connecting office wing. The Festool logistics centre for individual and small parts has also stood nearby for the past two years, so it makes sense to bring assembly and logistics operations closer together in Weilheim.

The ground was broken in February 2020. In August 2021, the team moved into the building. How was that possible? 'We are a great team, and everyone gives more than 100%,' says Michaela Hammer. 'We wouldn't have been able to erect a new building in just 18 months otherwise.' Of course, the work of the core team began much earlier. When Michaela Hammer started her job as commercial plant manager in Neidlingen, the idea for the new production site in Weilheim was just beginning to take shape. Plant manager Manuel Ohmayer, Head of Global Production at Festool, has supported the major project all the way through. Lutz Heimann, an architect on the company's building management team, took care of the structural and energy-related specifications.

'The intensive planning process was absolutely crucial. We wanted to ensure that production layouts and material flows were optimum, processes were digitalised in a sensible way, quality standards were defined, work processes were efficient and workplaces were as comfortable as possible,' says Manuel Ohmayer. 'We took the initial idea and formulated requirements, then outlined and considered various solutions,' explains Lutz Heimann. In the end, they came up with a concept that perfectly combines logistics, infrastructure, transport and supply. The entire process was very constructive, the architect recalls, because everyone had the same goal: 'To create a forward-looking plant with state-of-the-art production technology, which is sustainable and will still be modern even in 10 years' time.'



↑ In the spacious plant, employees assemble power tools at modern workstations.

→ Disruptions or faults in the production line are reported via smart watches.

↓ The driverless transport system ensures the supply of components to the production lines.





AT THE ASSEMBLY PLANT
IN WEILHEIM, FULL OF
PIONEERING PRODUCTION
AND ENERGY TECHNOLOGY,
FESTOOL'S FUTURE HAS
ALREADY BEGUN.





Sustainable.

Working with a positive energy footprint.

The result – and this much we can say already – is impressive. What you can't see from the outside (or even from above) is the building's positive energy footprint. The photovoltaic system on the roof plays a crucial role in this: Ultra-efficient, state-of-the-art PV modules generate power of 600 kWp. 'Thanks to this system, we basically power our production facilities with our own electricity,' says a delighted Lutz Heimann. A modern heat pump and cooling system provides heating in the winter and cooling in the summer. The waste heat from the compressors is also used to heat the building.

Inside the completely open assembly hall, an incredible amount of natural light pours in through the windows installed through-

out. The workstations along the assembly lines are wonderfully bright and ergonomically optimised. Manuel Ohmayer is particularly proud of the fully automated small parts store and the driverless transport system. 'We only automate activities that are physically demanding or monotonous,' he stresses, adding: 'We have a lot of ultra-modern equipment here, but the most important part of our plant is and remains our highly qualified employees.' There are now close to 400 employees working at the plant.

'The new building in Weilheim gives us the extra space that we urgently need for sustained growth,' explains Manuel Ohmayer. The commitment to the location and to quality that this new investment demonstrates is at least as important, if not more so. For the company. For employees. And for customers.



↑ The building is heated and cooled by a heat pump and refrigeration system.

← The assembly plant was erected in Weilheim/Teck and the photovoltaic system installed in just 18 months.

↓ Commercial plant manager Michaela Hammer and plant manager Manuel Ohmayer (middle) with architect Lutz Heimann on the roof of the building.



MADE IN WEILHEIM

The new Festool plant in Weilheim/Teck is an investment in the future: Productive, energy-efficient and impressive in every way. And it's not just the numbers that tell us that.



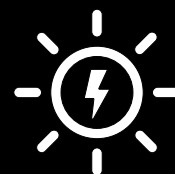
Total area: **10,000 m²**
Height: **Approx. 12 m**
Length: **Approx. 100 m**



Investment volume: **€16.5 million**



Construction time: **18 months**



Output of the photovoltaic system: **600 kWp**



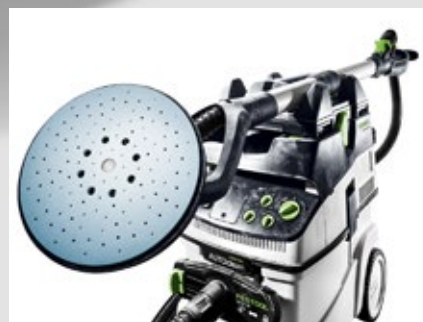
Number of employees: **Approx. 400**

WHR-CT LHS 2



Clean storage

During short breaks from work or when setting up, you can simply place the PLANEX long-reach sander on the tool holder.



THE TOOL HOLDER FOR THE LONG-REACH SANDER

When combined with the CT 36 PLANEX mobile dust extractor, our long-reach sanders create the perfect team. And they don't only work well together well. They fit together well too. Because when combined with the tool holder, the extractor is the perfect storage place. During short breaks from work, the long-reach sander can simply be placed down on the extractor. You can store accessory parts, abrasives and interface pads at handle height in the recesses so that they are to-hand at all times. The tool holder also makes setting up the long-reach sander significantly easier. In addition, the carry handle ensures that you can easily transport the long-reach sander together with the mobile dust extractor. The tool holder is suitable for all long-reach sanders and can be easily and securely attached to the extractor using T-LOC or SYS-Dock.

LEGAL NOTICE

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UNCOMPROMISING PERFORMANCE

Like all our products, our PLANEX LHS 2 225 is developed by professionals for professionals. And when you register your new tool, you can also enjoy complete protection for the first three years thanks to our warranty all-inclusive*. A full repair** is completely free of charge in the first three years – and this also applies to battery packs and chargers. This leaves you to focus completely on what's important: Your work.

Discover even more Festool services at:

» festool.co.uk/service

* Warranty all-inclusive is valid for all Festool tools purchased from 6 March 2013 onwards and registered within 30 days of purchase. The Festool service terms and conditions will apply and are available at festool.co.uk/service

** The offer for 'full repair, free of charge' does not apply for damage to consumable materials and accessories, improper use, damage caused by the use of non-original accessories or spare parts, and in the event that tools are dismantled or continuously subjected to use resulting in extensive wear.



FESTOOL

Compact cordless
suction power.
**Perfect for your
cordless tools.**

Our CTC MINI/MIDI cordless compact dust extractors love dust and are perfectly coordinated to your Festool cordless tools. Whether for mobile sanding, drilling or sawing applications: Their compact design and low weight make them the perfect partner for your daily work. This allows you to work in a dust-free environment even with a cordless system. The innovative Bluetooth® autostart or the practical remote control ensures perfect interaction between the cordless tool and the extractor. Our cordless extractors excel with maximum suction power thanks to the 36 V turbine with 2 x 18 V battery packs. For healthier work in dust classes M and L. And as always, everything is compatible: The extractor, smooth suction hose, cordless tool, T-LOC Systainer connection. This makes the system perfect in every way.

Find out more at: [festool.co.uk](https://www.festool.co.uk)