

**We know
what counts.**

**The highest
level of safety
for your trade.**



HAND GUARD

The unique optical system recognises danger even before contact.



The German
Occupational Safety Award 2021





The highest level of safety:

- The hands never touch the saw blade
- Also works with suitable gloves
- The system can be switched off when cutting large sections

There are no differing opinions when it comes to the highest level of safety. But there is one system.

We know what counts.

HAND GUARD protects the most important thing in the trade - the hands. And its unique early detection system with two cameras does not just keep your employees safe, but also your orders.

With its quick lowering, and quick stop in a quarter of a second, HAND GUARD is probably the quickest guardian angel in the world.

Safety

HAND GUARD

The world's first optical system protects people, machinery, and materials.





Our task is only completed when your jobs are successful.

Success is when the numbers add up. And to keep your orders running smoothly, HAND GUARD helps you to avoid accidents and failures.

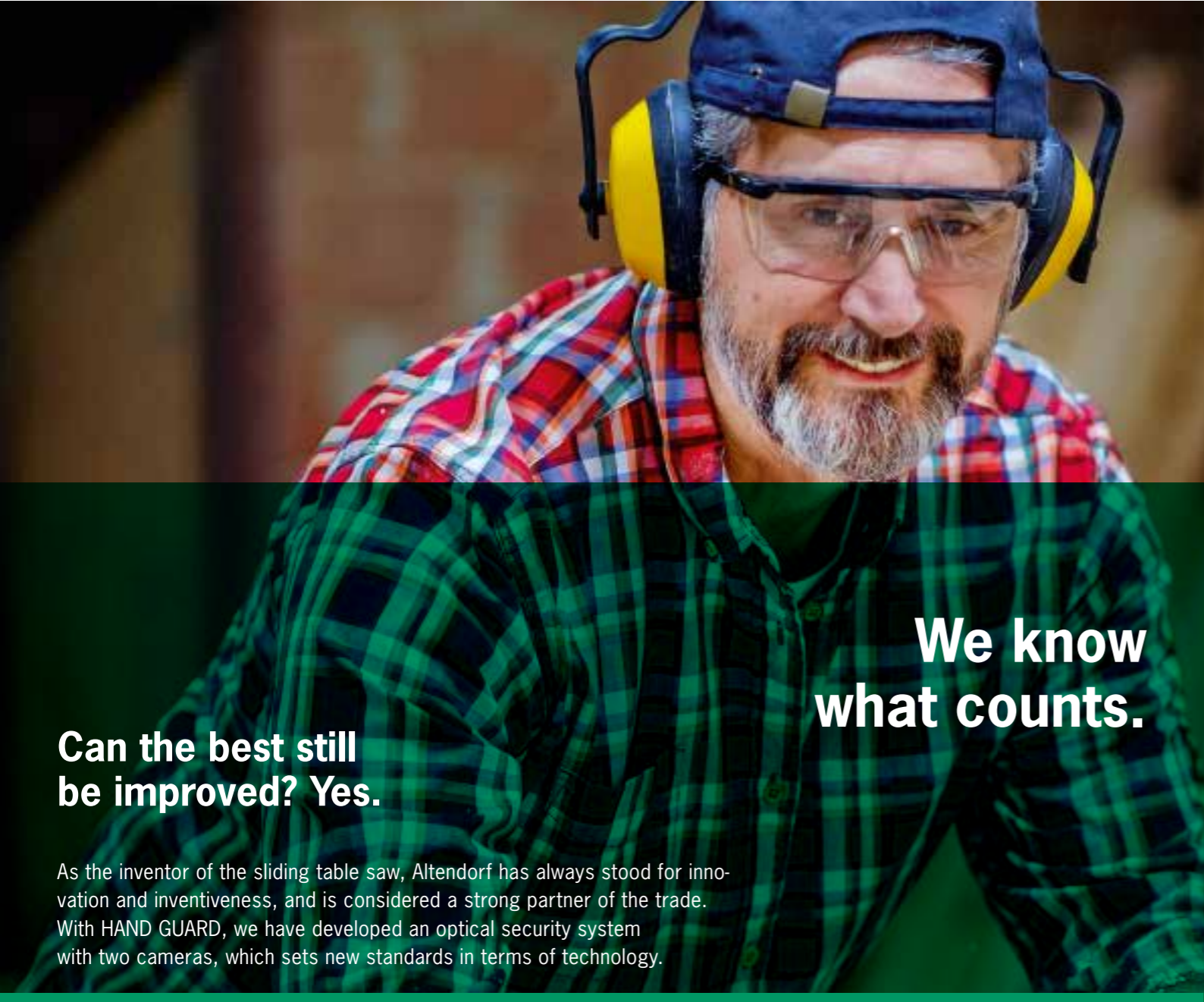
Here is what you can expect: HAND GUARD is suitable for all saw blades and materials, and can be used almost immediately again after stopping. All that without damaging materials or machinery.

We know what counts.

Productivity

HAND GUARD

No failures, no accidents: For more efficient operations and numbers that add up.



The best technology for your success:

- Preventive 2 camera system for early danger detection.
- Quick lowering and quick stop within a quarter of a second.
- Ready to use again after 10 seconds.
- Artificial intelligence (AI) recognises dangers before they occur.

We know what counts.

Can the best still be improved? Yes.

As the inventor of the sliding table saw, Altendorf has always stood for innovation and inventiveness, and is considered a strong partner of the trade. With HAND GUARD, we have developed an optical security system with two cameras, which sets new standards in terms of technology.

Technology

The advantages of a camera-based system compared to a capacitive solution.

Optical system



- Works with all materials, e.g. aluminium, wet timber, plastic.
- The controlled downward movement protects machinery, the saw blade, and workpieces.
- Also suitable for high feed rates and quick hand movements due to its early recognition system.
- Initial start-up time: 10 seconds.
- Saw blade-Ø max. 550 mm, swivel-mounted on both sides.

Capacitive system

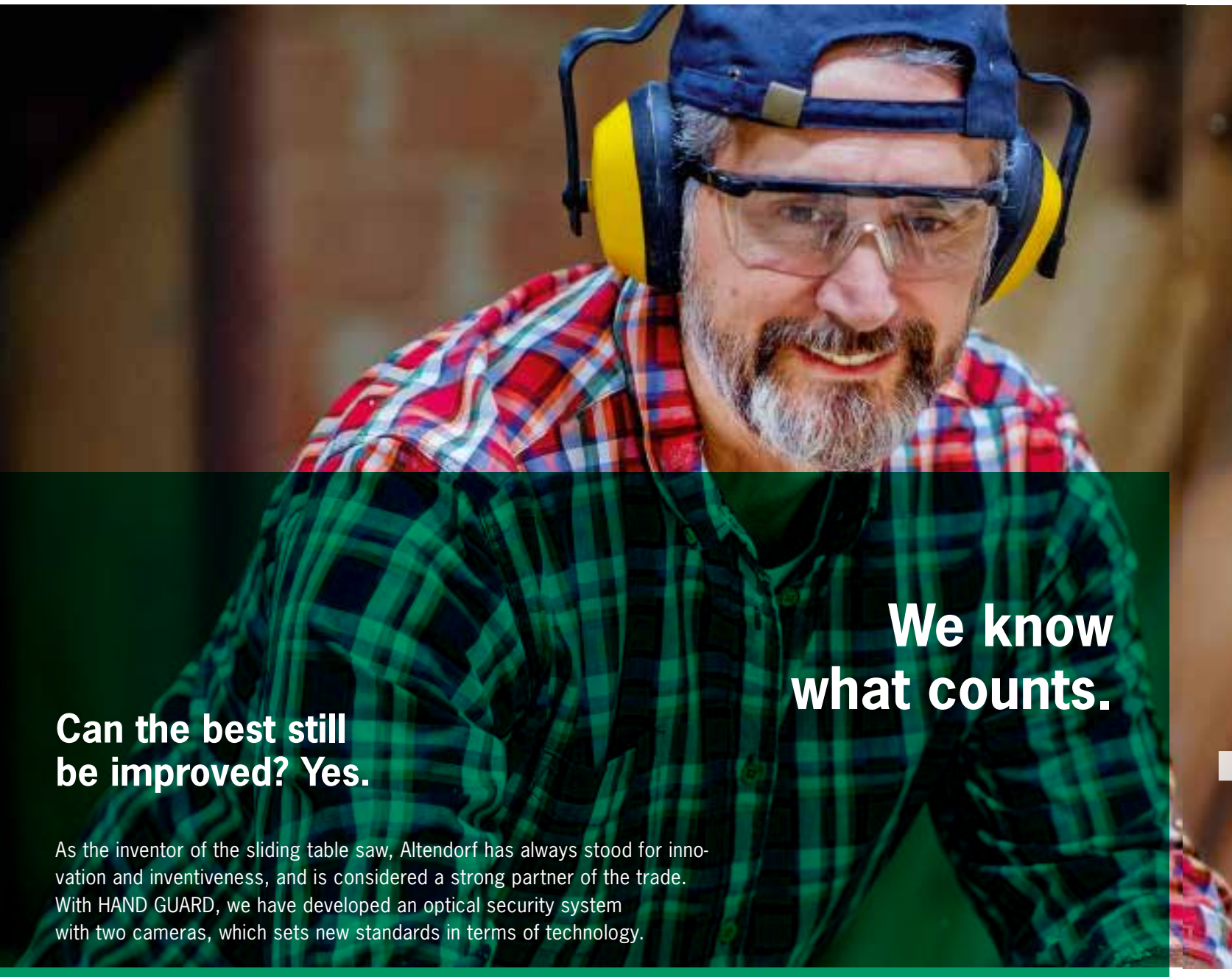


- Limited spectrum of materials, e.g. dry timber.
- The generator is pushed downwards with repeated gravitational acceleration and hits the shock absorber.
- Lower feed due to later recognition
- Longer initial start-up time.
- Saw blade can only be retracted under the table by a max. of 400 mm Ø.

HAND GUARD

Invest in the future now – we have redefined technology for you.





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1 ElmoDrive control unit

The F 45 ElmoDrive contains the most modern and comprehensive control technology for sliding table saws. Attached at eye level, it combines the greatest ease of use and organisation with practical, ergonomic application.



2 12" Touchscreen

You can call up all functions using the screen. Functions you use regularly can be pinned in the lower section of the screen (desktop function).



3 CNC rip fence

Controllable with a procedure speed of 250 mm/second and a dimensional accuracy of +/- 1/10 mm. The five-bearing, high-precision recirculating ball screw system requires little maintenance and, like the motor, is well protected as its integrated into the aluminium profile. The mechanical stop automatically recognises its position, particularly within the danger area of the saw blade.

HAND GUARD

more safety, the highest productivity, and intelligent technology.

4 Double roller carriage, 3000 mm

Infinitely adjustable locking in every position. The large double rollers maintain the connection of the superstructure to the undercarriage with absolute precision within the respective round guide bars. The running quality is maintained even after decades of load and soiling. The multi-chamber carriage system has been constructed to be extremely torsion-resistant and dimensionally stable.

5 Front support roller

With a width of 300 mm, it is a helpful support when cutting long workpieces at the rip fence. It can be positioned up to 90° under the double roller carriage (minimum length 3000 mm) using the handle.

6 Template holder

The template holder is practically located directly under the controls at eye level. The parts list is attached via a clamp, so that the order is permanently in sight. The integrated pen tray means that your writing instruments are always at hand.

