60 YEARS FORKS

135 years VETTER

SmartFork®

Fork assistance systems

More safety, less accidents!

VETTER®

forks.com

More safety in logistics!

7 reasons

19.758
fork truck accidents in 2022

8
fork truck deaths annually

51 %
of all accidents:
the victim is hit by a forklift,
crushed or run over

The accident statistics of the German Social Accident Insurance 2022 (DGVU)

Gut feeling out – professionalism in! Forks with integrated camera technology and sensors are the new level for modern logistics. Industrial-strength technology for reliable results.

✓ **Improve visibility:** Even with loaded cargo

✓ **Higher level of safety:** For staff and goods

✓ **Reduce damages:** Through improved visibility and intelligent sensor technology

✓ **Reduce costs:** Through less damage to goods

✓ **Easy handling:** Smart sensors integrated in the forks make your work easier

✓ **Save time:** Through safe navigation when transporting goods and faster workflows

✓ **Better ergonomics:** Full visibility without uncomfortable rotation of head and body
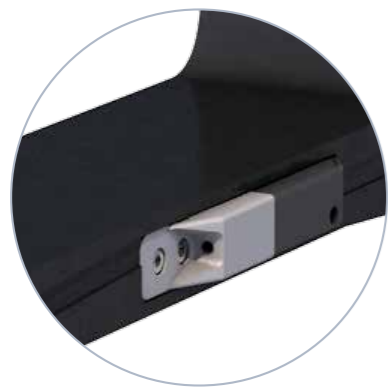
smartfork.com

VETTER®
forks.com
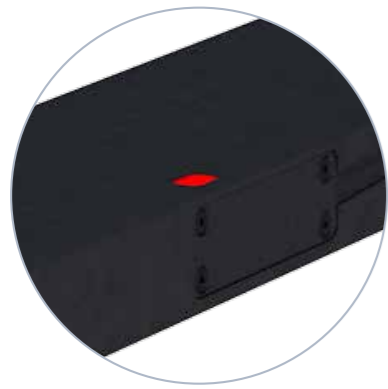
SmartFork®

Assistence systems

Overview of VETTER SmartFork® assistance systems
Five individual features that can be integrated into the forks independently of each other. In combination, they become a complete solution for more safety and efficiency in logistics.

Side**Cam**

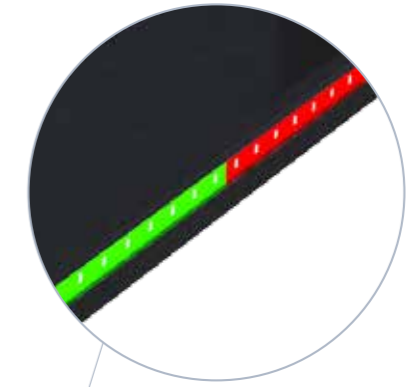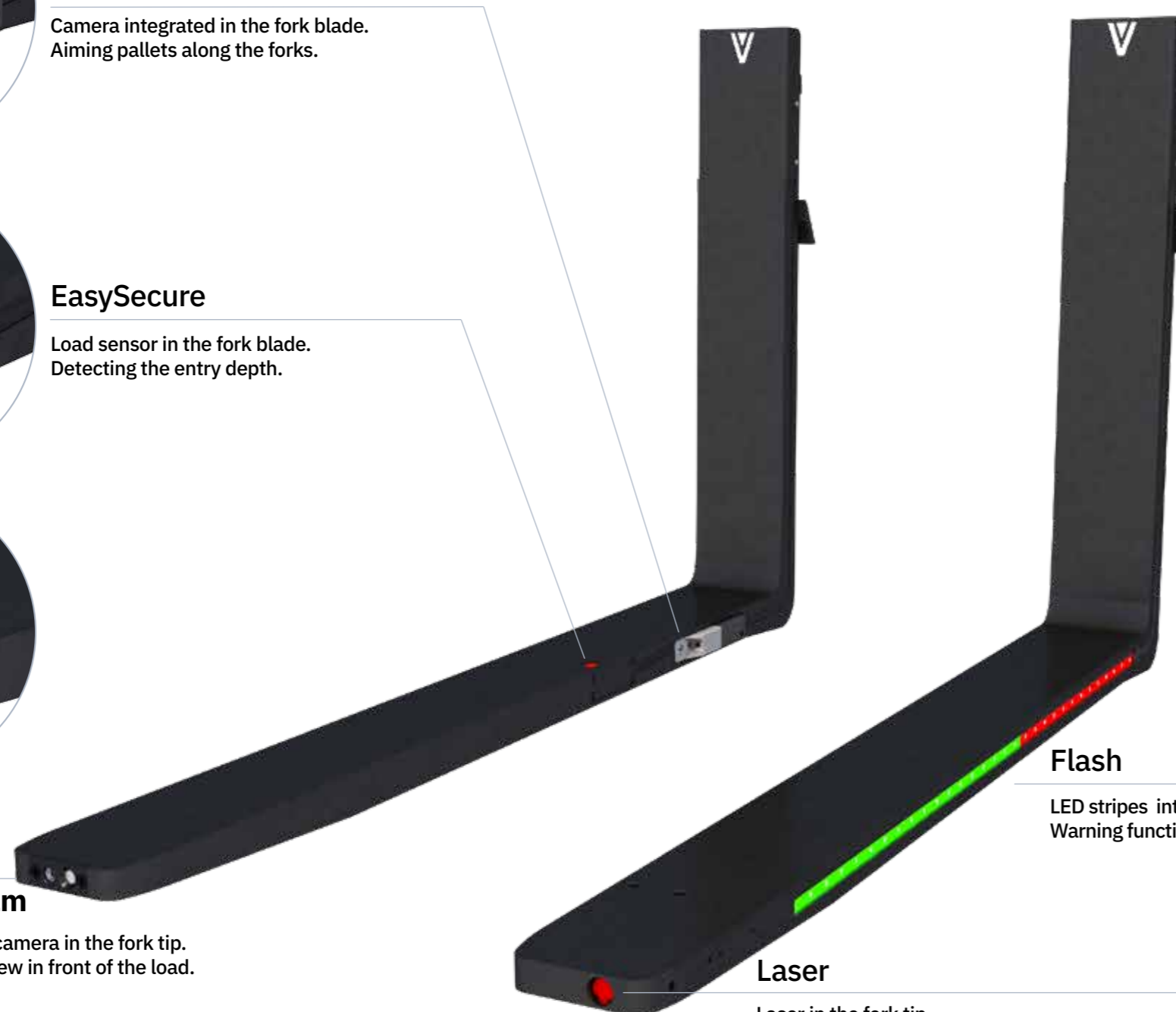Camera integrated in the fork blade.
Aiming pallets along the forks.

EasySecure

Load sensor in the fork blade.
Detecting the entry depth.

Front**Cam**

Integrated camera in the fork tip.
Optimum view in front of the load.

Flash

LED stripes integrated in the fork blade.
Warning function and entry depth function

Laser

Laser in the fork tip.
Precise targeting of load carriers.

Video SmartFork®

VETTER®
forks.com

FrontCam

Application FrontCam

View <u>ahead</u> the load

The integrated Front**Cam** in the fork tip offers the best views ahead the load.
Obstacles are recognised immediately when the load is picked up, accidents and damages are prevented.
In combination with the laser the load is precisely targeted and load pick-up is made easier.
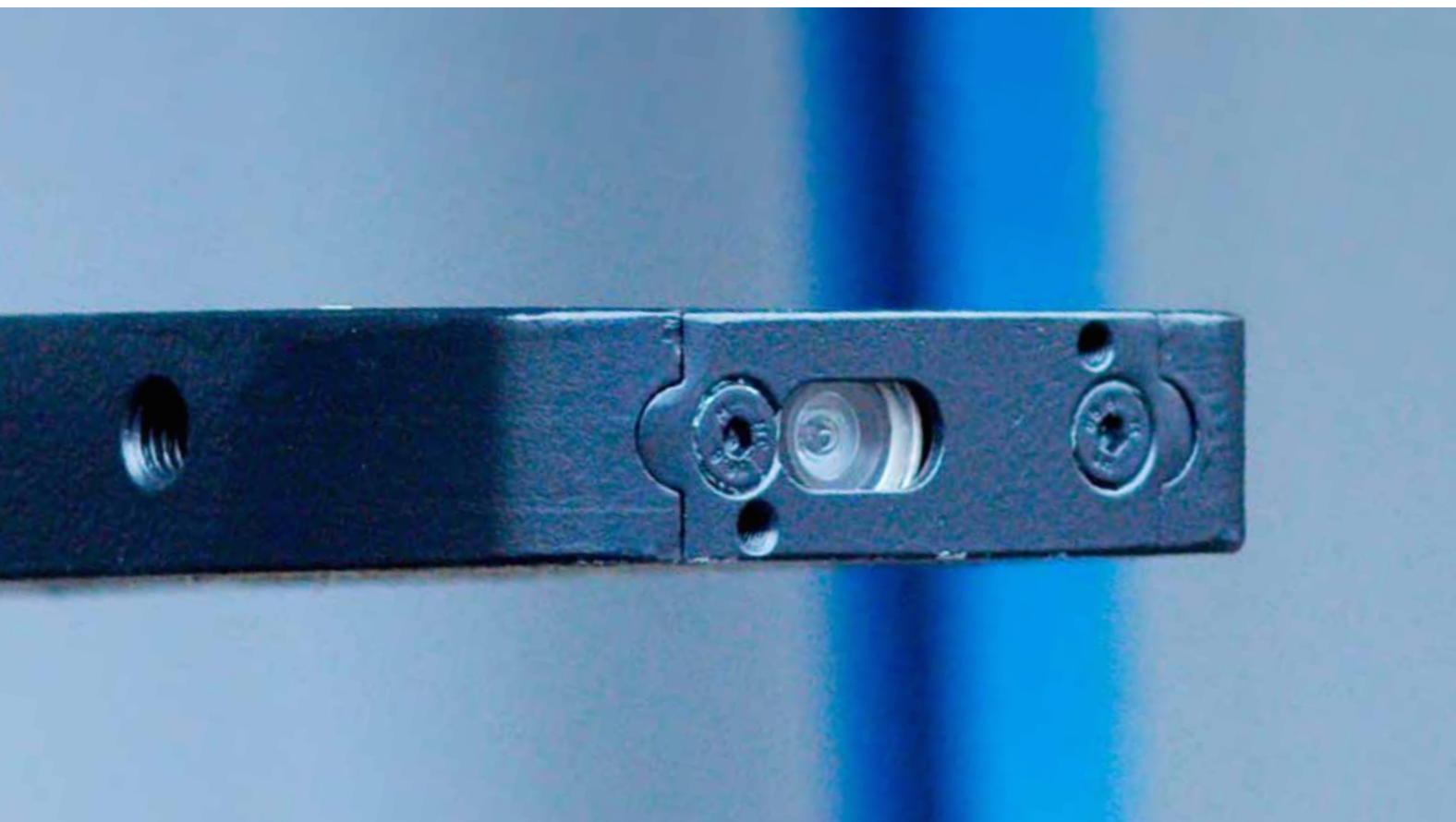
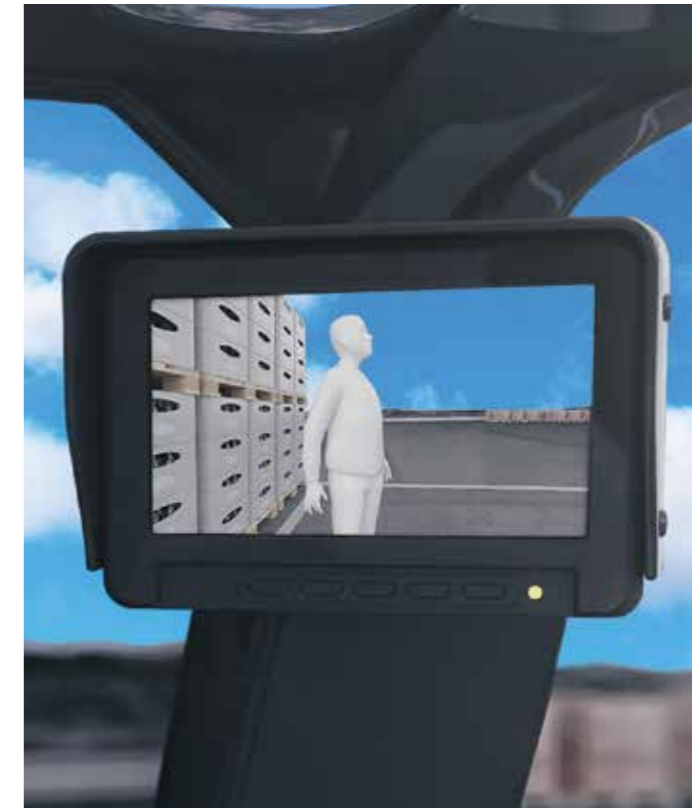**Field of view extension**

Precise targeting

Safe loading process

Person/ obstacle identification

Situation truck loading. Using Front**Cam** to see people in front of the load.

Monitor view in the cab with a view ahead the load when the pallet is picked up.

More safety...

... in combination with

✓ Smart**Fork**® Laser (Page 10)

Video SmartFork® FrontCam

More information online

VETTER®
forks.com

SideCam

Application SideCam

Perfect view of the load

The Side**Cam** laterally integrated in the the fork blade enables the forklift driver to target pallets along the forks and pick them up safely. Thanks to unique, semi-integrated camera installation the Side**Cam** is optimally protected against damages during transport.

Both forks in the field of view

Aiming along the fork

Safe retraction in pallets

Reduced manoeuvring damages

Monitor view in the cab. Aiming along the fork.

WOW

Robust and durable thanks to partially integrated camera installation and clever cable routing

More safety...

... in combination with

✓ Smart**Fork**® Front**Cam** (Page 6)

✓ Smart**Fork**® Laser (Page 10)

Video SmartFork® SideCam

More information online

VETTER®

forks.com

Laser

Precise targeting of load

Application Laser

The integrated Smart**Fork®** Laser in the fork tip makes it easier to pick up loads. The laser appears as a green horizontal line on the load carrier so that the forklift driver can safely drive into the pallet pockets.
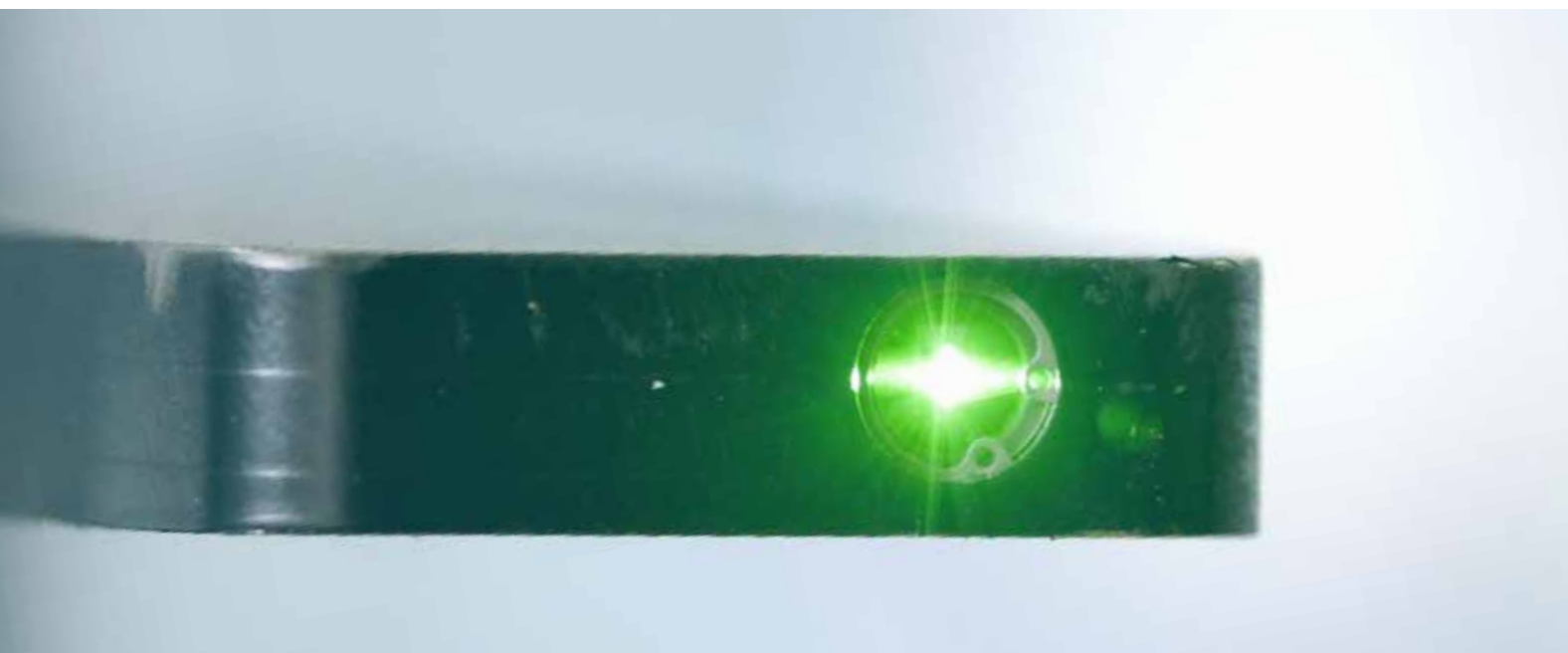
Simple load pick-up in the warehouse

Precise targeting

Safe loading process

Reduced manoeuvring damages

Precise targeting. Green Laser in the fork tip.

More safety...

... in combination with

✓ Smart**Fork®** Front**Cam** (Page 6)

✓ Smart**Fork®** Side**Cam** (Page 8)

Video SmartFork® Laser

More information online

✓ Laser safety class 1M, no risk of eye injuries

✓ Laser available in green (Standard version) or in red

VETTER ®

forks.com

EasySecure

Application EasySecure

Precise entry depth detection

The integrated light sensor in the fork blade (at 800 mm from the fork tip) enables safe detection of Euro pallets stored lengthways or crossways when picking up goods. Smart**Fork**® Easy**Secure** can be individually adapted to up to 3 load carriers.

For removing load in block storage, the light sensor variant in the fork tip offers safe handling so as not to damage or lift the pallet behind.

Determine the entry depth

Recognising pallets stored lengthways or crossways

No damage to pallets behind

LED signal via display in the driver's cab

Easy**Secure** sensor for safe pick-up of transverse or longitudinal stored pallets.
Determine the enty depth at unmanageable heights.

Easy**Secure** sensor in the fork tip. Determine the entry depth when pallets standing one behind the other. The load behind is not damaged or lifted.

LED-Display in driver's cab. If the LED in the driver's cab lights up red, the entry depth is reached.

More safety...

... in combination with

✓ Smart**Fork**® Front**Cam** (Page 6)

✓ Smart**Fork**® Side**Cam** (Page 8)

Video SmartFork® EasySecure

More information online

VETTER®
forks.com

PremiumCam

Always the right camera perspective

SmartFork® PremiumCam is a combination of FrontCam, SideCam and EasySecure in one fork pair. When loading and unloading goods, EasySecure automatically switches from the FrontCam to the SideCam. The forklift driver always has the best camera perspective in use.

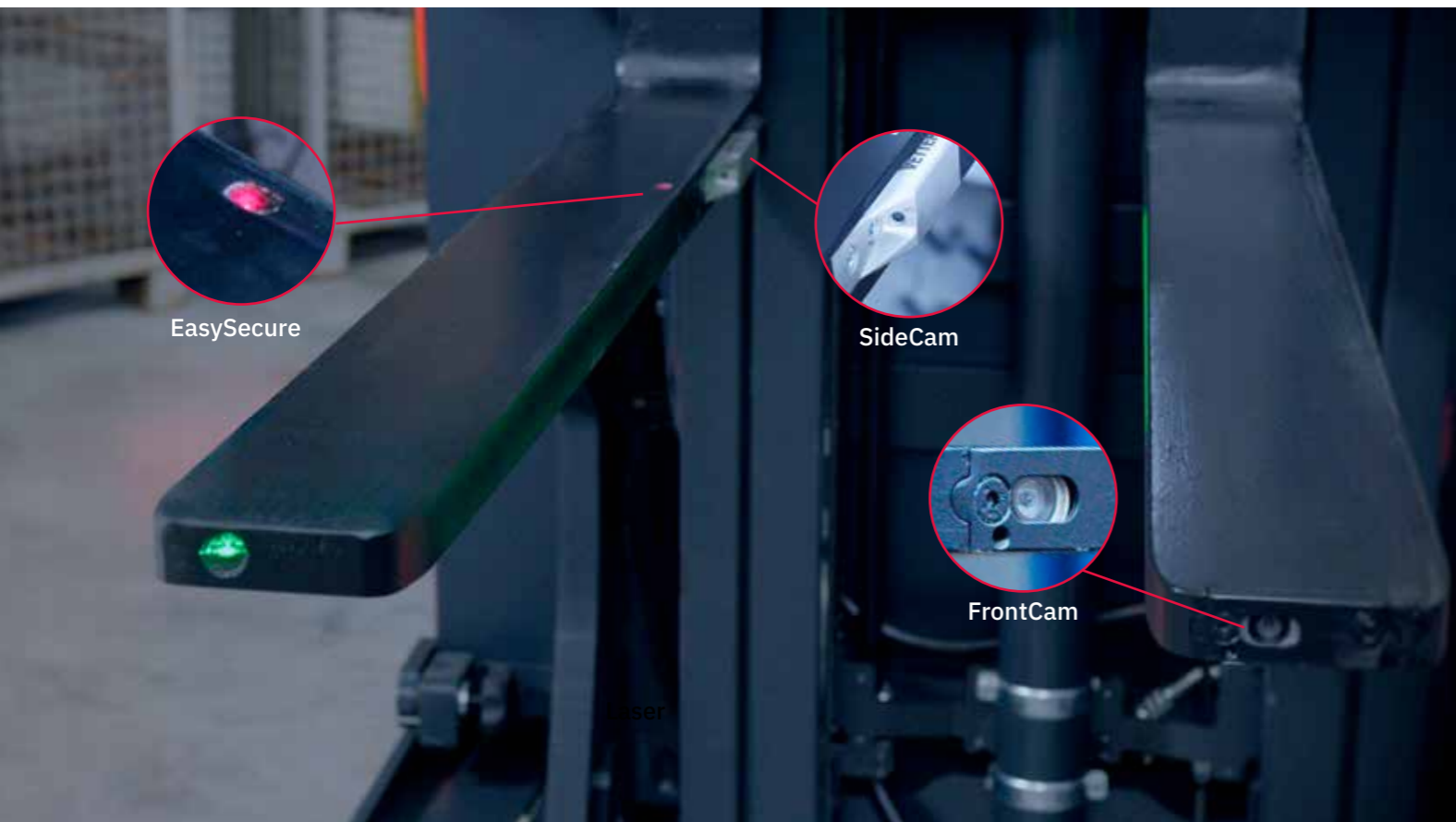**Automatic switching from SideCam to FrontCam**

Reduced manoeuvring damages

Precise targeting

Person/ obstacle identification

EasySecure

SideCam

FrontCam

Application PremiumCam

Monitor view in the cab. Automatic switching from SideCam to FrontCam as soon as the EasySecure sensor in the fork blade is occupied with the load.

SideCam – Monitor view in the cab. Aiming along the fork.

FrontCam – Monitor view in the cab with a view ahead the load. View through the pallet pocket when the pallet is picked up.

More safety...

... in combination with

✓ SmartFork® Laser (Page 10)

Video SmartFork® PremiumCam

More information online

VETTER ®

forks.com

Flash

Entry depths and warning function

The LEDs integrated outside in the fork blade make the forklift visible from a distance - even in dark environments.
The LEDs inside the fork blade may be programmed and used to determine the entry depth in order to pick up load carriers safely and without causing damage.

Visibility in cluttered, dark environments

Improved occupational safety

Reduction of accidents

Safe loading of pallets standing in a row

Application Flash

LEDs sideways integrated in the fork blade. Warning function in cluttered situations.

LEDs inside the fork blade. Freely programmable for determining the entry depth.

More safety...

... in combination with

✓ Smart**Fork**® EasySecure (Seite 12)
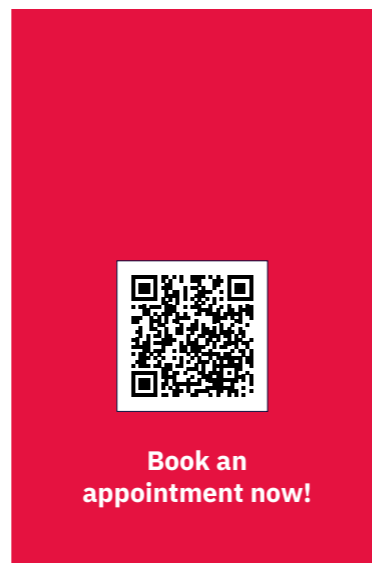
Video SmartFork® Flash

More information online

VETTER®

forks.com

SmartFork® on tour

Assistance systems live on site

Your SmartFork® team

The possible uses and designs of the Smart**Fork**® are as varied as the applications for which it is used. VETTER offers you the opportunity to experience the Smart**Fork**® live on site. Our service technician will fit the Smart**Fork**® directly to your forklift truck so that you can immediately recognise the advantages of the Smart**Fork**® in use.

✓ Testing Smart**Fork**® under real conditions

✓ Combinations of different Smart**Fork**® applications

✓ The right Smart**Fork**® solution for your application

Book an appointment now!

Henrik Stahl

Sales Smart**Fork**®

+49 2736 4961-982
henrik.stahl@smartfork.com

Patrick Schneider

Sales Smart**Fork**®

+49 2736 4961-964
patrick.schneider@smartfork.com

Bianca Frommann

Sales SmartFork®
Back office

+49 2736 4961-810
bianca.frommann@smartfork.com

Get in contact with us!

VETTER®

forks.com

VETTER Industrie GmbH
Carl-Benz-Strasse 45
57299 Burbach / Germany

(0)2736 4961-0
info@smartfork.com

www.smartfork.com

60 YEARS
FORKS

135 years VETTER

Follow us: [in] [X] [f] [instagram]