

SCATEC

Number 1 in flawless edge detection



Put your trust in the best of the best.

SCATEC at a glance.

SCATEC copy counters from Baumer are top of the line when it comes to lap stream copy counting. Using SCATEC also provides unique benefits in detecting individual packages with seamless product conveyance.

SCATEC saves costs and increases reliability.

- Safe detection of each individual copy.
- The sensor does not need to be readjusted if the copy changes.
- Independent of color, surface, and product thickness.

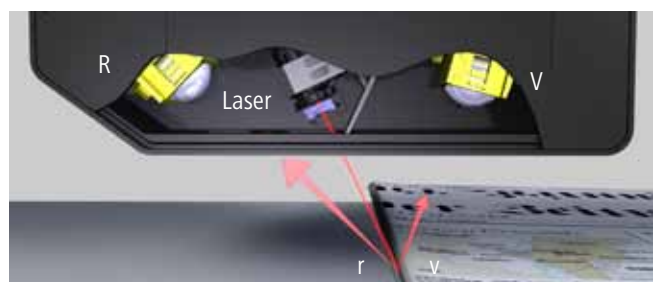
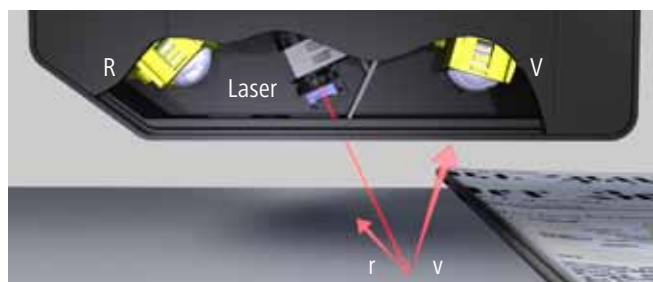


Baumer + Denex = Your Benefit

The Baumer portfolio has been expanded to include Denex products and technologies since the end of 2011. Customers benefit from this combined expertise. All information about Denex and SCATEC products is now available from a single source – your Baumer contact person.

Our many years of experience in the printing and packaging industry helps us to better understand your special requirements. Thanks to the intensive dialog we foster with our customers and the application expertise we have built over the years, we are able keep developing solutions that give you significant advantages in terms of quality and productivity. We have kept enhancing our SCATEC portfolio and have the perfect solution for each of your applications.

Our SCATEC products are not only the most compact on the market but they also have a plug and play design so you can save both space and time. With the unique ScaDiag diagnostic software, you can monitor the process on site and record data. Our experts are able to provide the best-possible support, and can even do so remotely.



The SCATEC operating principle.

The SCATEC operating principle.

- Non-contact thanks to optical principle.
- One laser light source – two receivers (V and R).
- Reacts to object edges that face the laser beam.
- If an edge passes through the laser beam, the relationship of the reflected light (v/r) to both receivers changes and the object is detected.
- Known interferences are specifically targeted and suppressed.



Lap stream copy counting.

Every copy counts.

The printing industry has to be able to handle every type of copy. Newspapers, magazines, flyers, packages, books – the range of products is extensive. Oftentimes, a single piece of machinery processes a wide variety of products in one day.

Our SCATEC products are not only able to address these challenges but successfully meet them head on – day after day. They provide reliable results, even if the lap stream is irregular or sporadic, if copy thicknesses vary widely, if the color or surface changes, or even if the process speed varies widely between very fast and slow.

Monitor your production quickly, flawlessly, and accurately with SCATEC.



Copy counting in gripper transportation.

Applications.

- Copy counting in:
 - Lap stream
 - Gripper transportation
 - Compensating stacker
- Precise edge detection for precise triggering, e.g. a label unit.
- Edge detection for cutting process.

Benefit.

- Provides cost savings by eliminating under- or oversupply.
- Saves time because no readjustment is necessary if the copy changes.



Individual package detection with seamless product conveyance.

Saving costs in the packaging industry.

You are familiar with the problem. To be able to reliably detect individual packages, e.g. to trigger a code reading or marking system, you need to allow gaps between the packages. Moreover, you also need to readjust the sensor anytime the package changes. The process is time-consuming and the throughput rate is not as high as it could be. This is all a thing of the past now.

The new *SCATEC-2 Box* model eliminates the need for putting a gap between products and readjusting, which accelerates the process and saves time and money. Thanks to the reliable detection of the smallest edges, *SCATEC-2 Box* also delivers precise results even with seamless product conveyance. The sensors do not even need to be readjusted if the package changes.



SCATEC-2 Box.

Applications.

- Precise triggering with seamless product conveyance.
- Counting of individual packages.

Benefit.

- Reduced operating costs because the sensor does not need to be readjusted.
- Increased efficiency because seamless conveyance increases throughput.

Countable benefits for better results.

The whole is greater than the sum of its parts. Every detail of the SCATEC product solutions has been well thought out so your sum total is a better result.

Compact.
Smallest edge detector on the market.

Single sheet detection.
Because it can detect edges down to 0.1 mm, single sheets can also be reliably detected and counted.

Plug & Play.
Simply plug it in, get started, and forget about it. Even retrofitting is made easy.

Support.
Faster, easier, and more reliable support thanks to the diagnostic tool ScaDiag.



Fast.
Reliable product detection even at the highest conveyor speeds.

Seamless detection.
Precise edge detection guarantees reliable product detection even for seamless product conveyance.

Multifunctional.
Equipped with the right functions to securely meet the challenges of even the most demanding applications.



ScaDiag – unique SCATEC support.

If something unexpected happens in the production process, ScaDiag is able to collect data while production is underway. This data is then forwarded to Baumer's technical support. We are thus able to use this real-time process data to quickly and reliably help address the problem – all without requiring you to interrupt the process.

SCATEC product overview.



SCATEC-J
Introductory model.



SCATEC-2
Bestseller.



SCATEC-2 Box
Packaging master.



SCATEC-2 Gripper
Gripper specialist.



SCATEC-10
Precision class.



SCATEC-15
Precision class with
CAN-Bus.

Product	Order code*	Working area	Sensitivity	Special features
Copy counting in lap stream and single sheet detection				
SCATEC-J	FLDK 110G1010/S14	55 mm	1.50 mm	
SCATEC-2	FLDK 110G1003/S14 FLDK 110G1005/S14	60 mm 120 mm	0.20 mm 0.25 mm	<ul style="list-style-type: none"> ▪ Settings <ul style="list-style-type: none"> ▪ Interference pulse suppression ▪ Sensitivity ▪ Output pulse length
SCATEC-10	FLDM 170G1011/S42	90 mm	0.10 mm	<ul style="list-style-type: none"> ▪ Synch. input ▪ Settings <ul style="list-style-type: none"> ▪ Interference pulse suppression ▪ Sensitivity ▪ Output pulse length ▪ Trailing edge suppression
SCATEC-15	FLDM 170G1030/S42	120 mm	0.15 mm	<ul style="list-style-type: none"> ▪ CAN-Interface ▪ Synch. input ▪ Settings <ul style="list-style-type: none"> ▪ Interference pulse suppression ▪ Sensitivity ▪ Output pulse length ▪ Trailing edge suppression
Copy counting in gripper transportation				
SCATEC-2 Gripper	FLDK 110G1903/S42	120 mm	0.25 mm	<ul style="list-style-type: none"> ▪ Double copy detection ▪ Synch. input ▪ Settings <ul style="list-style-type: none"> ▪ Interference pulse suppression ▪ Sensitivity
Individual package detection with seamless product conveyance				
SCATEC-2 Box	FLDK 110G1006/S14	120 mm	0.25 mm	<ul style="list-style-type: none"> ▪ Special version for package detection

* Selection. Other versions available.