

**NEW**

**C 2000**

**M 2000**

extended version



Product information

**C 2000/M 2000 Self-testing  
safety light grids.**

**Progress to a more economical solution.**



**SICK**

# Safety light grids that have what it takes!

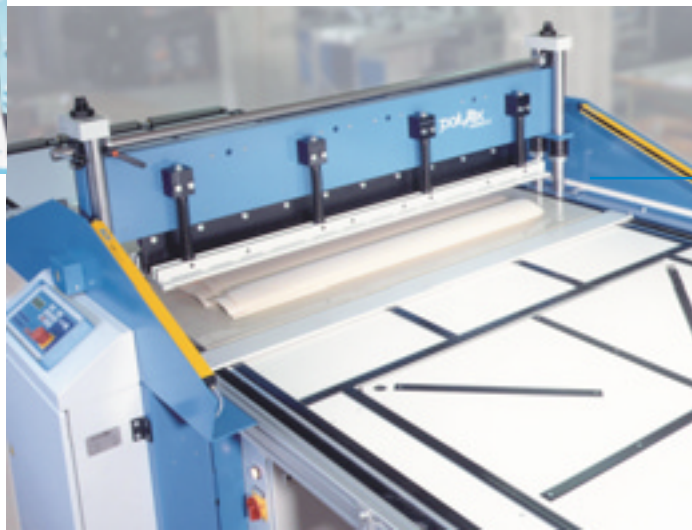
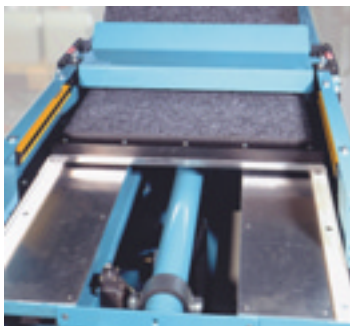
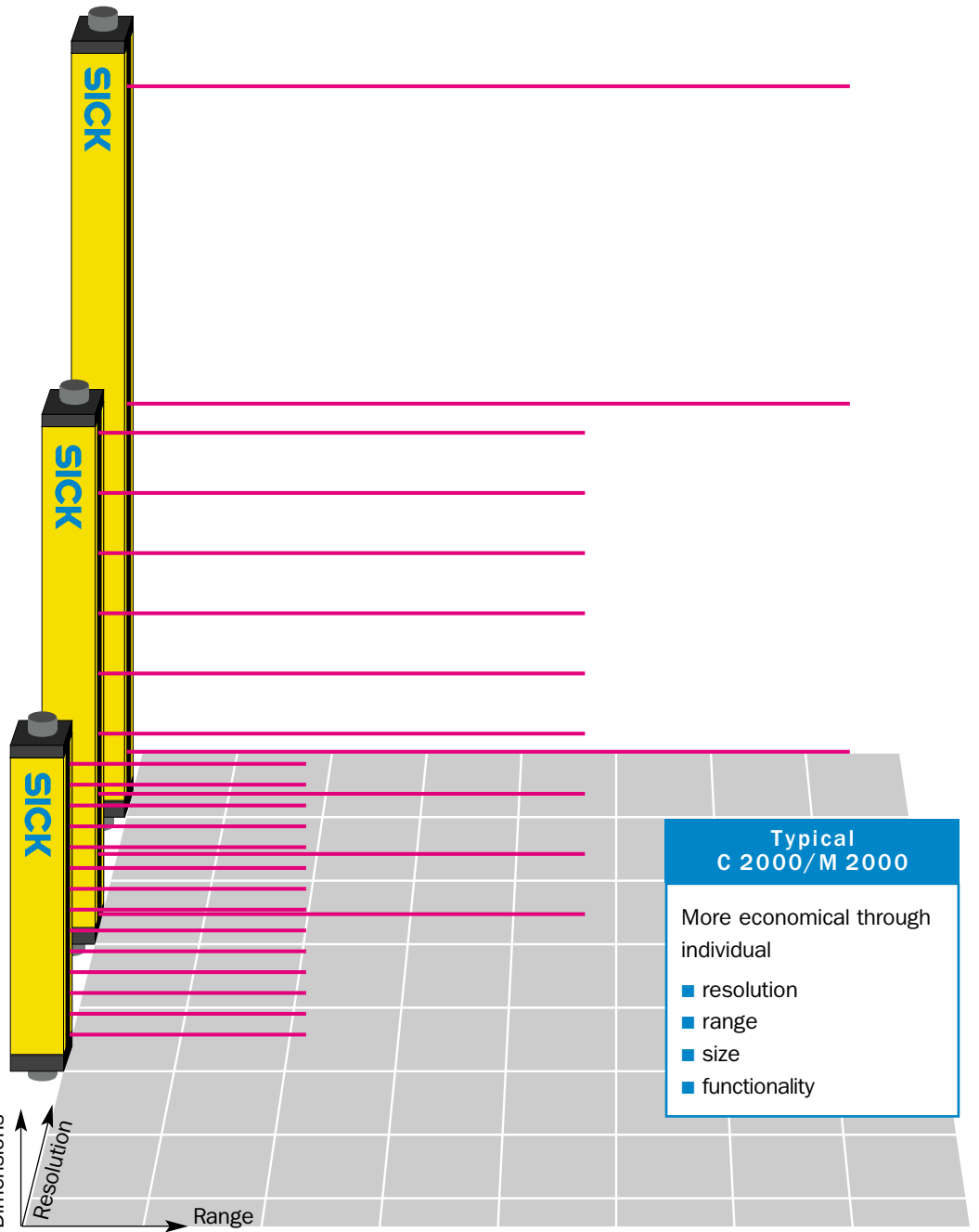
The new C 2000/M 2000 safety light grid family offers you a comprehensive selection of resolution, range and housing options. Dimensions and high product performance provide ideal suitability to your application. The C 2000/M 2000 makes a valuable contribution to increasing the cost-effectiveness of your plant. You only have to invest in what you really need.



**C 2000**



**M 2000**



*The textile industry*

*Optimise safety and cut costs with greater variety: C 2000/M 2000 safety light grids.*

# Access to improved productivity.

Safety can often be considered a hindrance for those who need to fulfil production targets. The SICK C 2000/M 2000 light grids combine maximum freedom of movement with ultimate safety. And so open up the way to increased productivity.

## Industry Branches

- storage and conveyor technology
- timber industry
- textile industry
- stone production
- electronic industry
- packaging industry

The optional LE 20 interface provides both supply and evaluation of the C 2000/M 2000 which includes the following:

### Functions:

- muting with override (optional)
- restart interlock (RES)
- external relay monitoring (EDM)
- self-testing

### Advantages:

- individually selectable functions
- increased plant availability
- small dimensions

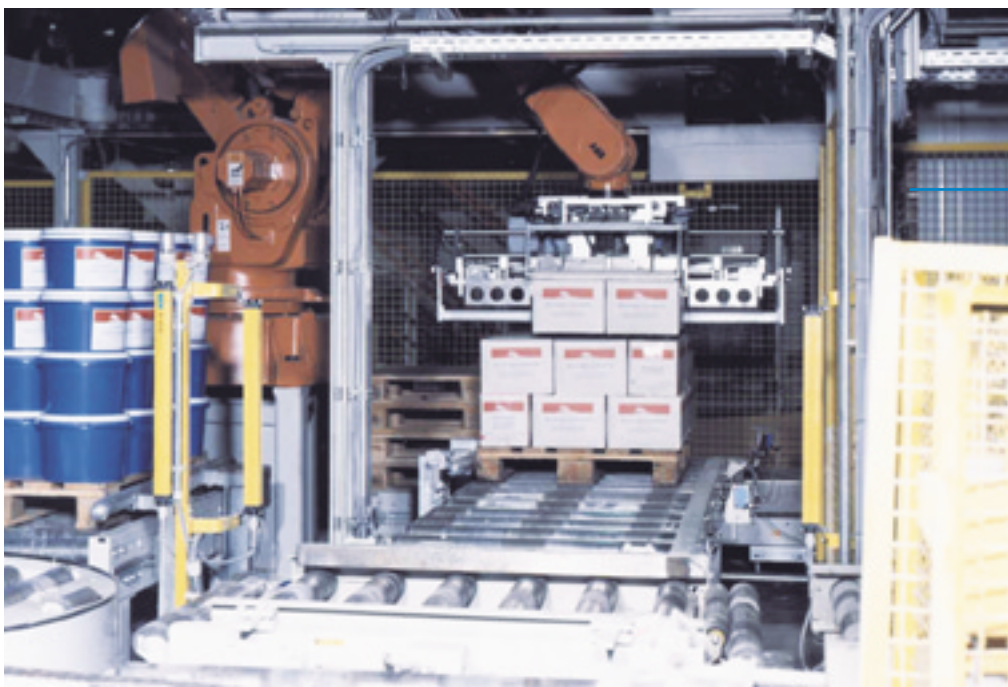


## Override function

This function guarantees rapid plant restarts after process-related standstills.

## Muting function

The muting option allows automatic material transfer through the hazardous area. Operation is immediately halted if a person attempts to enter the machine area.



*Palletiser*

*Every application is easily achieved for the new C 2000/M 2000 with muting function.*

Approvals



# C 2000 or M 2000 – Make your selection.



C 2000	M 2000
20/30/40 mm resolution	<ul style="list-style-type: none"> <li>■ 116/170 mm resolution</li> <li>■ 2-, 3- und 4-beam systems</li> <li>■ M 2000 A/P, 2-beam system</li> </ul>
Ranges for all resolutions 0 – 6 m 2.5 – 19 m	Ranges for all resolutions 0 – 6 m (M 2000 A/P) 0 – 25 m 0 – 70 m (only 2-, 3-, and 4-beam systems)

- with/without restart interlock (RES), external relay monitoring (EDM)
- cascadable – up to 3 systems
  - max. 3 m cable length between sensors
  - each sensor individually alignable
- self-testing
- alignment aid and diagnosis via 7-segment indicator panel
- 2 protected PNP outputs
- beam coding (3 addresses can be set)
- 7 – 34 ms response time (beam-dependent)
- Type 2 according to IEC 61496

Housing dimensions: 28.5 x 33.5 mm (up to 1200 mm)  
 38.5 x 47.0 mm (up to 1800 mm)

### Simple integration.

Flexible connection to a variety of machine control systems is also possible, e.g. directly to a safe PLC.

## Still more information.

can be ordered using the fax reply form at the back:



CD-ROM



Safety guidelines  
in printed form

### Global player in sensor technology.

SICK consultant engineers work closely with customers and users on site to devise efficient and effective solutions. The company, with production sites in Germany, Italy, Hungary, the USA and Japan,

has more than 50 years' experience in sensor technology. With 1900 staff in more than 20 countries, SICK is one of the world's leading sensor manufacturers.

### World-wide service.

An extensive world-wide service network of subsidiaries and agencies provides expert support wherever you need it.

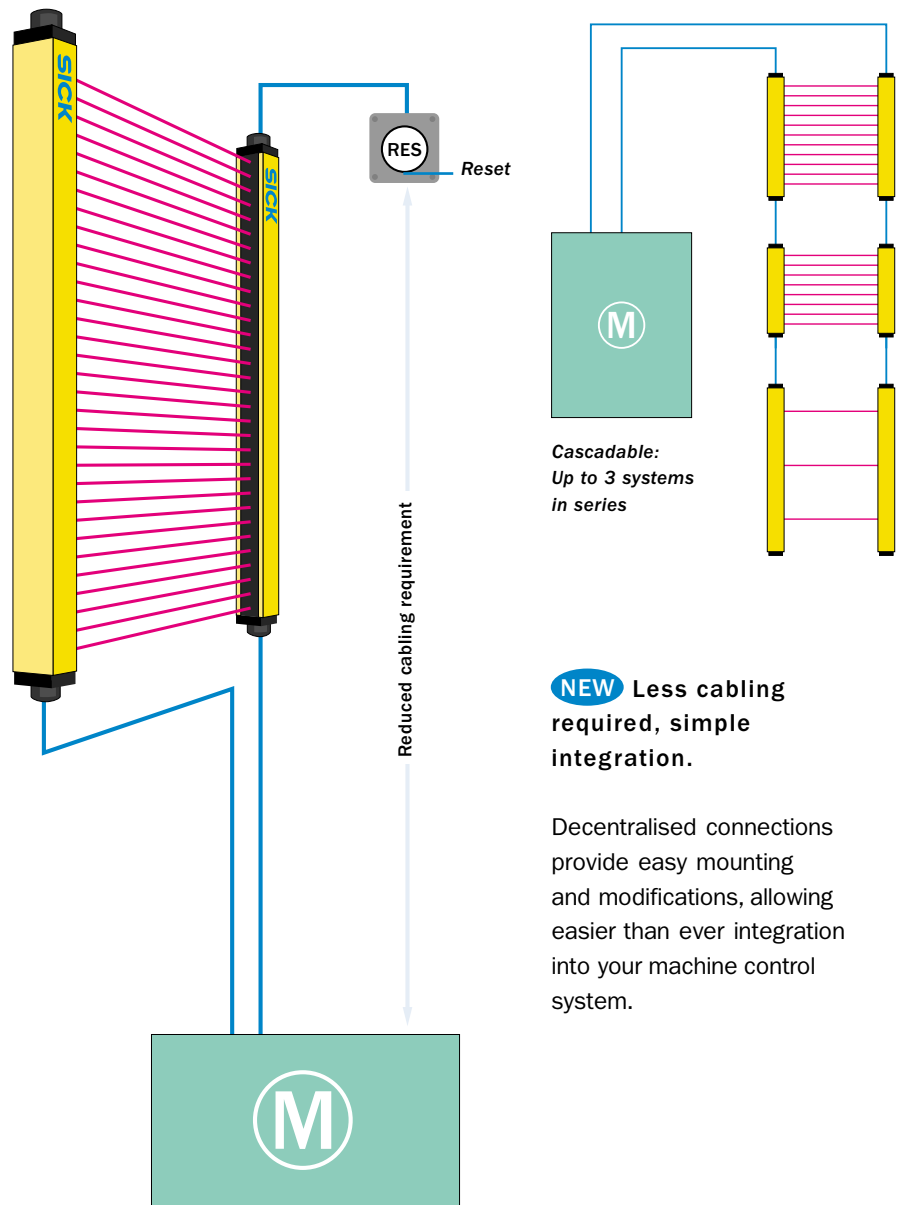
# Improved technology, more features.

- **NEW** integrated restart interlock (decentralised connection possible)
- **NEW** integrated external relay monitoring
- **NEW** cascable: up to 3 systems in series

## User-friendly through self-testing.

- No machine stop necessary during testing

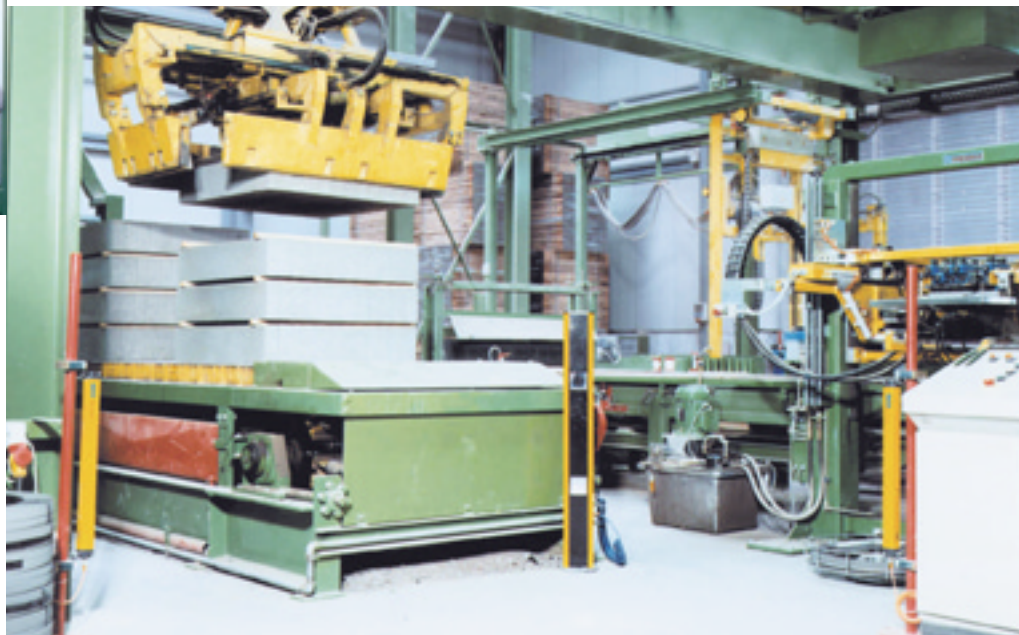
External testing is from now on a thing of the past. The new C 2000/M 2000 light grids self-test continuously. A 7-segment indicator panel simplifies diagnosis, alignment and installation. Rapid commissioning and shorter downtime periods will increase the availability of your machinery.



Decentralised connections provide easy mounting and modifications, allowing easier than ever integration into your machine control system.



*External testing, a thing of the past: the new C 2000/M 2000 is testable during running operation.*



# The dialogue continues.

Copy, complete and fax.

Company	
Name	
Position/ Department	
Address	
Post code/ Town	
Phone/Fax	
Industry/Field of application	

Yes, I would like to know more about the C 2000/M 2000 and LE 20 product line.

I am interested in a detailed consultation with one of your project consultants. Please arrange an appointment for me.

Other product information as downloads under [www.sick.de](http://www.sick.de)

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