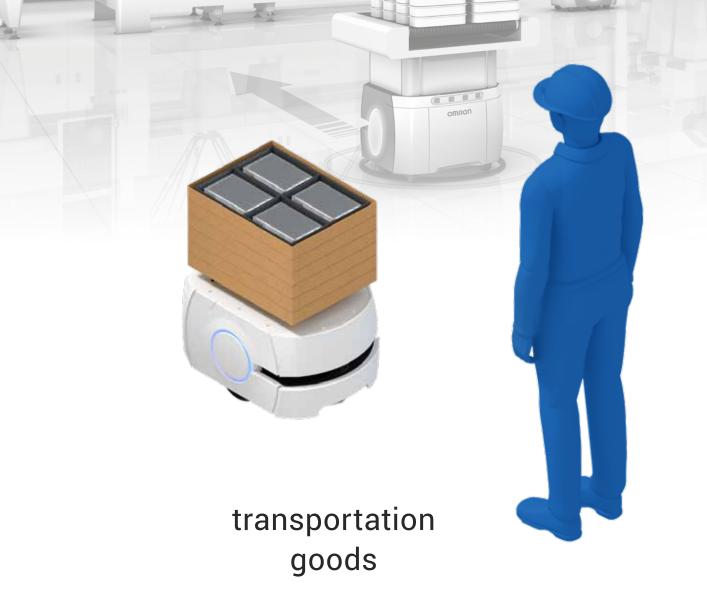
OMRON

Providing you the most efficient solution for safe automation



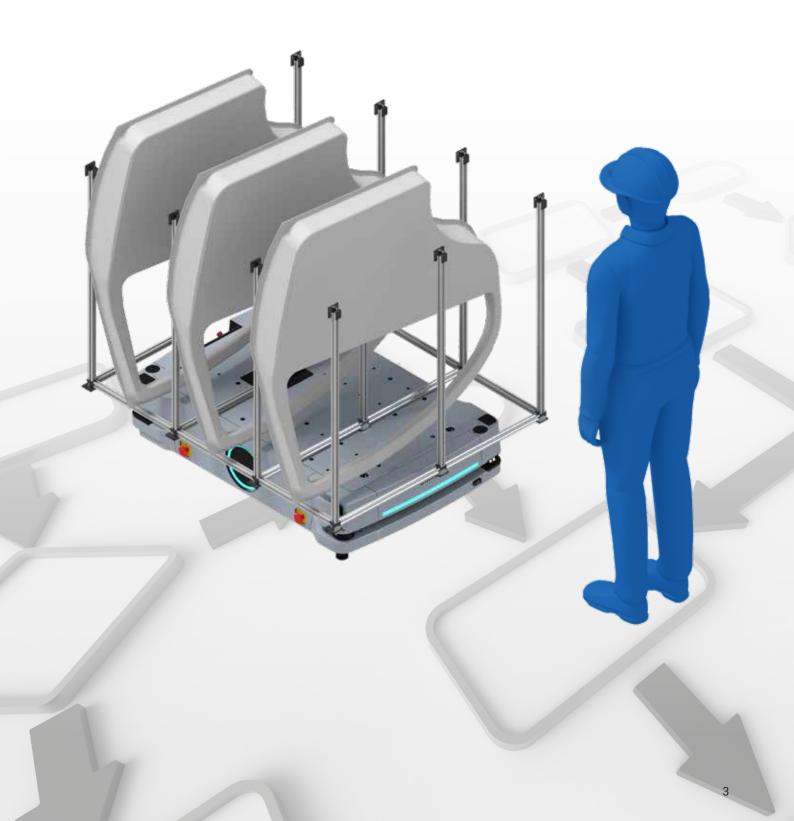
Safety Automation Solutions for...



All our transportation solutions fit for all regular or irregular shapes needs of transporting goods across your factory.

Evolving mobile workstations

Flexible solutions for all manufacturing processes moving across and overlapping inside machinery.



Solution with pallets or boxes of different heights using Safety Light Curtains

Solutions with irregular goods shapes using vertical Safety Laser Scanner





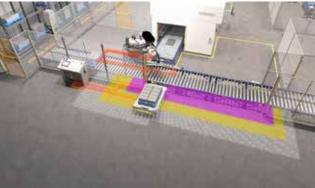
Solutions with irregular goods shapes using vertical and horizontal Safety Laser Scanner



Solutions for conveyor at the end of production lines









Safety adaptive goods dynamic multilayer

Solutions with pallets of different heights using safety light curtains

- Suitable applications: Intralogistics for pallets, boxes or other regular shapes of goods
- Main benefits/ advantages: Safety light curtain height detection dynamically adapted to each situation
- Safety conformity: up to ESPE type 4 acc. to IEC EN 61496-1 and PLr 'e' acc. to EN ISO 13849-1 standards
- Additional features: IO-Link interface for measuring, on-line monitoring and diagnostics (IOT ready)



Application examples:

F3SG

E3ZS_

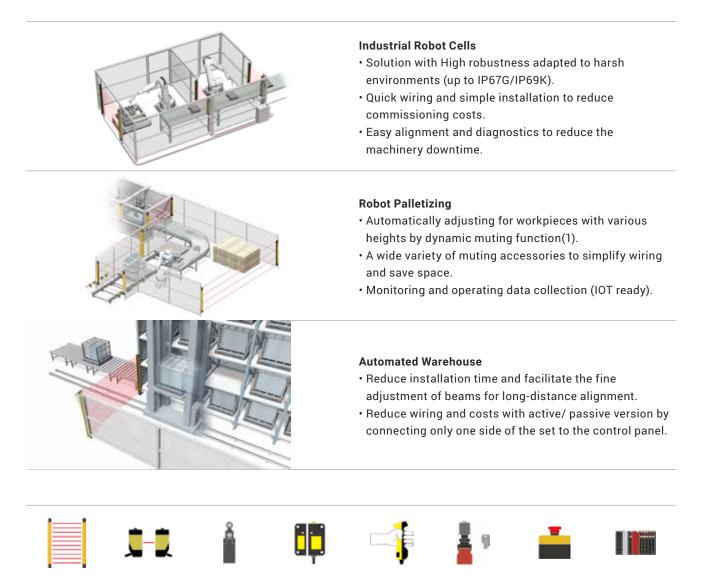
D4N_

D40_/D41_

A4EG_

A22NK

A22NE-P



NX-SL5

Safety adaptive shapes profiler

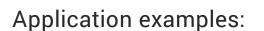
Solutions with irregular goods using vertical Safety Laser Scanner

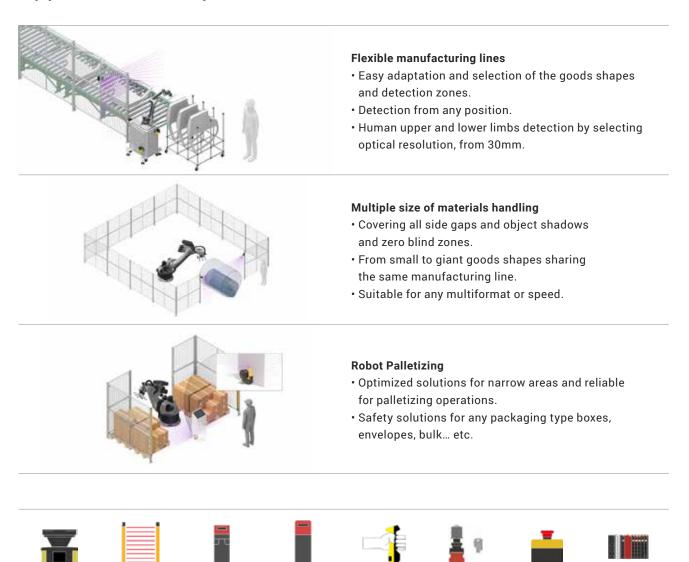


• Suitable applications: Intralogistics mobile platforms with irregular shapes tops

- Main benefits/ advantages: Safety Laser Scanner pre-configured zones dynamically adapted to each situation
- Safety conformity: up to ESPE type 3 acc. to IEC EN 61496-1 and PLr 'd' acc. to EN ISO 13849-1
- Additional features: Ethernet IP data for profiling and 2D measurements and CIP-Safety standards

Suitable industries for:





OS3_

F3SG_

D4NS_

D4SL

A4EG_

A22NK

A22NE-P_

NX-SL5



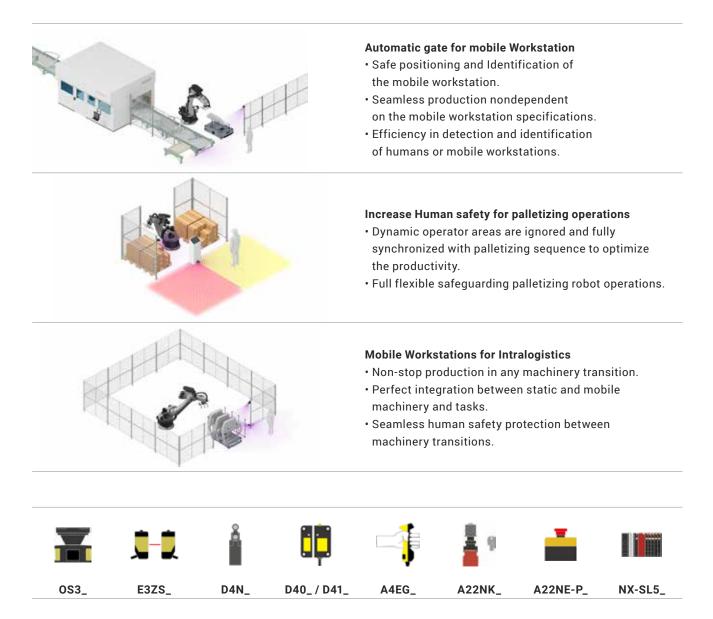
Safety adaptive multiplane detection

Solutions with irregular goods using Vertical and Horizontal Safety Laser Scanner

- Suitable applications: Mobile workstations for any machinery or robot cell
- Main benefits/ advantages: Safety Laser Scanner pre-configured zones dynamically adapted to each situation
- Safety conformity: up to ESPE type 3 acc. to IEC EN 61496-1 and PLr 'd' acc. to EN ISO 13849-1
- Additional features: Ethernet IP data for profiling and 2D measurements and CIP-Safety standards



Application examples:



Safety adaptive goods conveying

Solutions for Conveyor end production lines



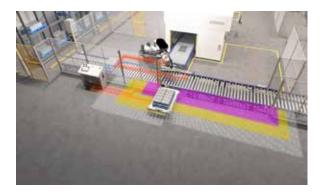
• Suitable applications: automatic transfers from end line to mobile platforms

- Main benefits/ advantages: Safety Laser Scanner zones dynamically adapted to each situation and need
- Safety conformity: up to ESPE type 3 acc. to IEC EN 61496-1 and PLr 'd' acc. to EN ISO 13849-1
- Additional features: Ethernet IP data for profiling and 2D measurements and CIP-Safety standards

Suitable industries for: (

Application examples:

000	<u> </u>	bulk,etc. • Increase loa and saving	oiling multilaye	r of boxes, enve ading capabilitie al workers.	-
		 Opening dyn in a sequent Monitoring robot operation 	ce, to optimize the surroundin	vay for the opera the productivity gs of palletizing	Ι.
		 Simplifies d all the mach 	oduction in an e Safety Funct ninery. safety sensor	y task or duty. ions signals acı s signals to vari	

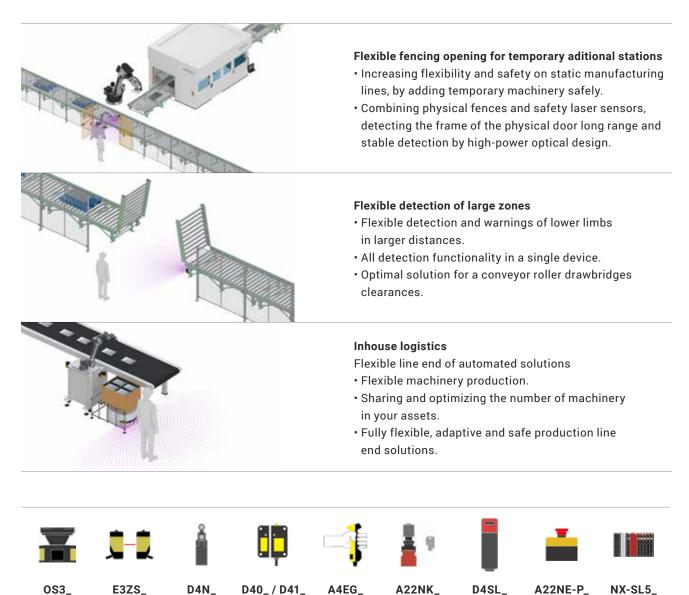


Solutions for conveyor in the middle side of production lines Solutions for Conveyor side production lines

- Suitable applications: Flexible manufacturing insertions inline
- · Main benefits/ advantages: Safety Laser Scanner zones dynamically adapted to each situation and need
- Safety conformity: up to ESPE type 3 acc. to IEC EN 61496-1 and PLr 'd' acc. to EN ISO 13849-1
- Additional features: Ethernet IP data for profiling and 2D measurements and CIP-Safety standards

Suitable industries for: 🚖 📦 😹 🐼 🧊 💉

Application examples:



Technical details:



• Efficient safety management and maintenance to minimize downtime

A22NE-P_	Emergency Stop Push Button device –	
	A22NE-P / A22NE-PD series	
	 Mechanical monitoring of detach the Pushbutton 	
	Part and the contacts bloc	
	 Reducing the Preventive maintenance at End User 	
D40_/D41_	Compact Non-contact Door Switch –	-
	D40A / D41D series	
	 Safety Sensor guard or positioning monitoring 	- Mar 🔰
•	Compact size and easy report via PLC	
	 Safety sensor up to 30 units in daisy chain connection 	
D4N_	Safety Door Switches –	n
0	D4N_ / D4B_ / D4F_ / D4NH series	
ă		- 🛋 👗
	 Electromechanics interlock technology 	
_	 Including key to detect operators in the dangerous area 	THE ME
	 Possible to connect with Safety Modules and SPLC's 	
D4SL_	Safety Door Switches –	
	D4NS_ / D4SL-N_ series	
		and the second second
	Electro mechanic interlock with head robustness and	111
	strong holding force • Including key to detect operators in the dangerous area	S 20
	Possible to connect with Safety Modules and SPLC's	
A4EG_	Enabling switch Pushbutton –	
_	A4EG_ / A4E_ series	9
		10
	 For single hand operation, and monitor the human attention and coordination with other actions 	
T	 Enabling switch allows when is pressed, to operate 	
	some dangerous parts of the machine	I
A22NK_	Safety key selector swicth –	
	A22K_ / A22NK_ / A22TK_ series	
🚊 🦉	 For in Machinery safety functions, such as Operator 	2
	mode selector (,2 or 3 positions)	
	 Safety key sequence Safety hold key electrical and interloking 	
	the design of the second second state and show as	

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