

# COLLISIONSCAN

- Full integration to RTG and similar stacking systems
- Controlled container stacking with precise warning system
- Eliminating unnecessary crane positions
- Avoiding collision between adjacent container stacks
- Warning the operator against possible accidents with the audible and visual warning system
- Deceleration and stop commands with integration into crane PLC system

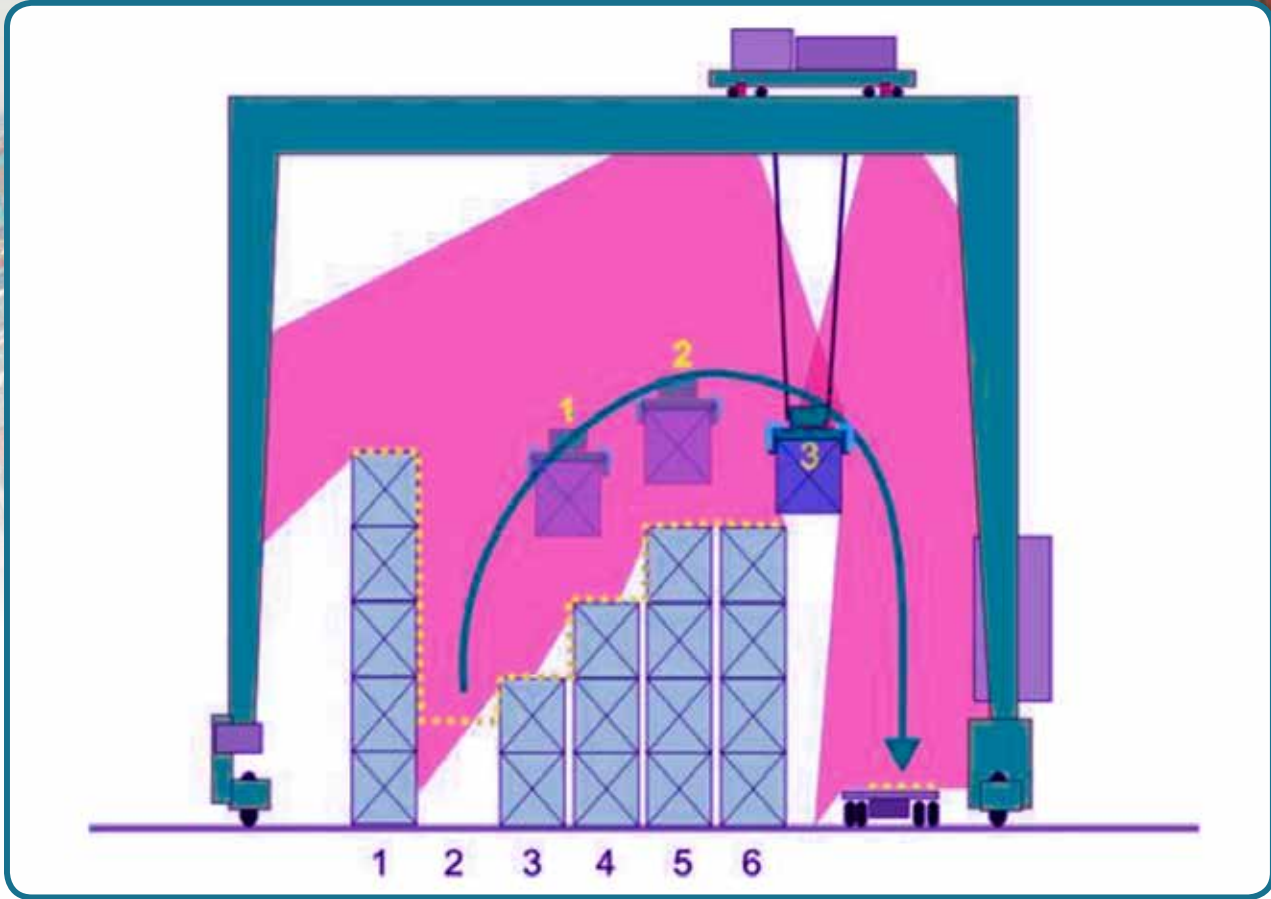


## CollisionScan

CollisionScan RTG is an advanced technology scanning and analysis system integrated into container stacking crane systems such as RTG and SSG, and designed to prevent the damage which can be caused by possible collisions during stacking or loading of containers.

During the transport of the containers by the crane system, the laser system creates a safety area around the container and protects the container against possible collisions until the stacking or transporting process is terminated. The system warns the operator visually and audibly when a possible collision or damage is detected. At the same time, it is also possible to slow down or stop the crane by sending a command to its PLC system.

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RTG and SSG and similar crane operations are operations that require intense attention and precise maneuvers. The operator must have reflexes that can react quickly in sudden and emergency situations. CollisionScan collision prevention system in integrated crane stacking systems reduces potential collisions that can be caused by operator faults to a minimum level.

It ensures that stacking areas can be used more efficiently in ports, piers, docks and terminals. In the operational processes, both the safety of the products is ensured and the unnecessary time losses caused by the accidents are eliminated.

The control of the system is carried out via the control panel located in the crane cabin. In case of possible collision situations, the operator is warned instantly by early warning system via audible and visual warning systems.

If desired, a command will be sent to the PLC system of the crane and the system can be slowed down or completely stopped without leaving it to the operator's initiative.

## SPECIFICATIONS

Brand	Tunaylar
Model	DamageScan
Measurement Technique	Laser Scanner
Maximum Scanning Frequency	100 Hz
Maximum Scanning Angle	0,15°
Operating Temperature Range	-10 °C .... +40°C
Communication	Ethernet (TCP-IP)

Tunaylar reserves the right to change all technical specifications, color and accessories of the products without prior notice.

