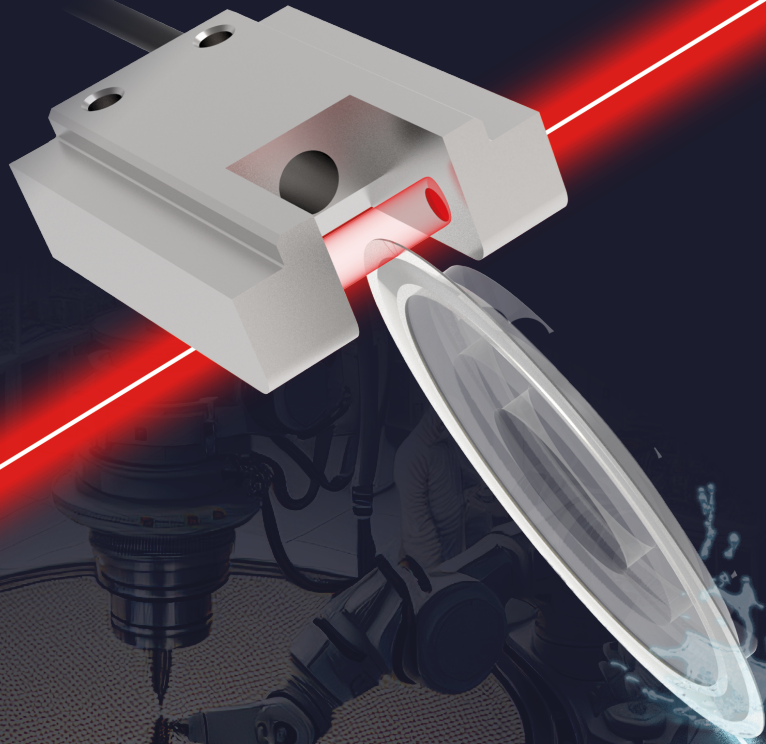


VBI

VISUAL BLADE INSPECTOR



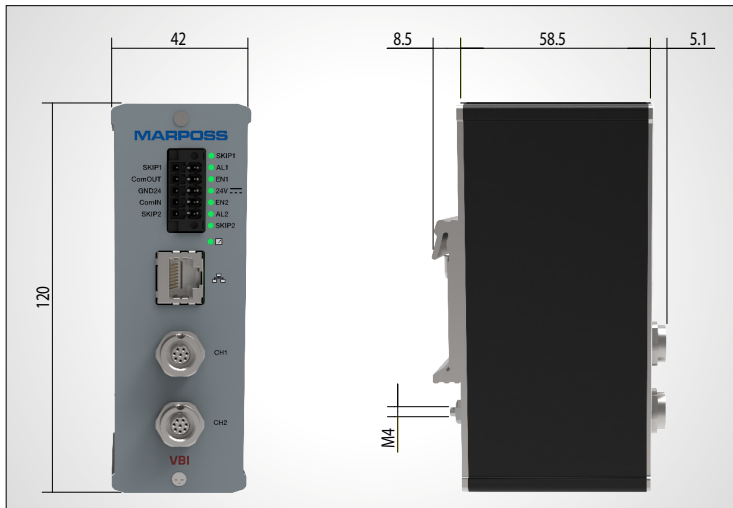
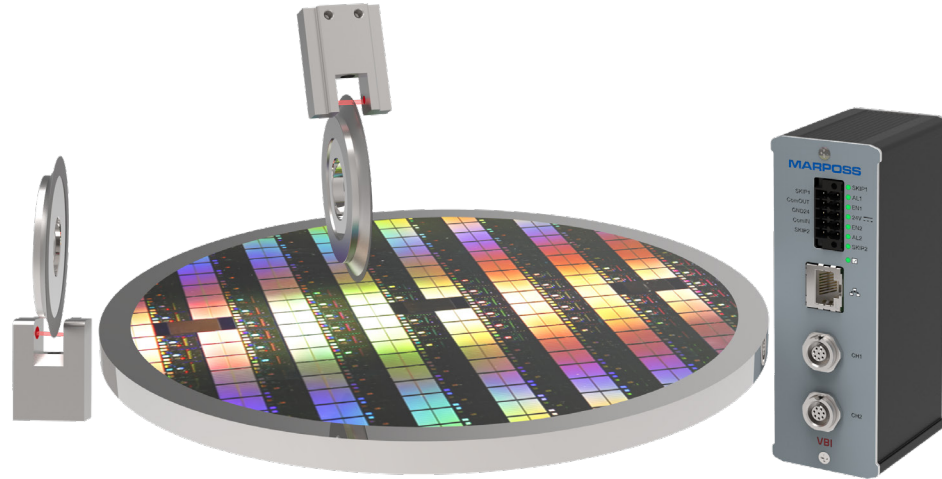
PRECISION IN EVERY CUT



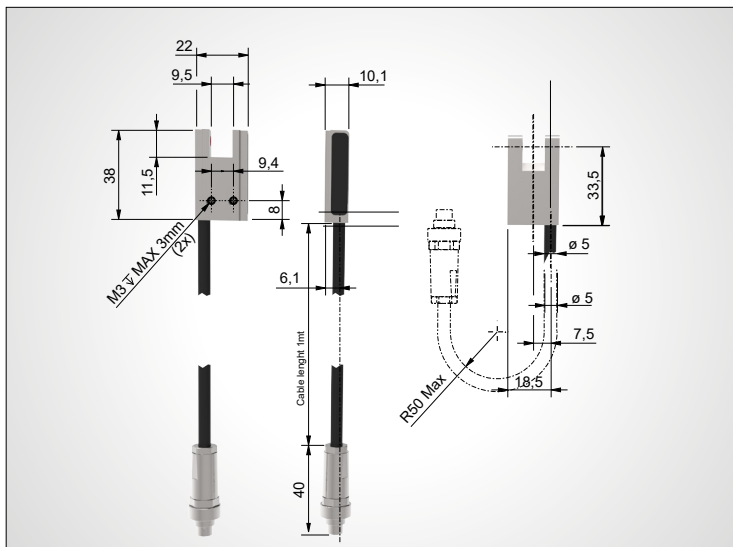
MARPOSS

Visual Blade Inspector

In the world of semiconductors, precision is everything. In the chip production process, one of the most delicate steps is the dicing process. Our product monitors the blade during wafer cutting, ensuring excellent and reliable results, reducing waste. With VBI you maximise efficiency and quality while decreasing cycle time significantly.



VISUAL INDICATORS	Power and I/O state, activity state and link state
INTERFACES	1 x Ethernet for external communication
MAXIMUM NUMBER OF PROBES	2
IMAGE SAMPLING SPEED MAX	125 KHz
PROGRAMMABLE CYCLES	NCS (non contact setup) BBD (blade breakage detection)
I/O	Isolated Sink Source connection type (see example below) Input circuits Type 1 - 24 Vdc Output circuits 24 Vdc / 100 mA max
POWER SUPPLY / CONSUMPTION	24V direct current SELV - PELV type.
PROTECTION DEGREE <i>Standard IEC 60529</i>	IP30



PROBE	
EMITTER TYPE	LED
RECEIVER TYPE	Linear image sensor
PROTECTION LEVEL	side sensor IP68 side connector IP50
MAXIMUM EXTENSION LENGTH	1 m

Edition 10/2024 - Specifications are subject to modifications. © Copyright 2024 Copyright owner MARPOSS S.p.A. (Italy) - All rights reserved.

Without prior written consent, this document and its content cannot be used, totally or partially, for purposes different from those expressly allowed.

MARPOSS and other names/signs of the Marposso Group shown therein are registered trademarks or trademarks of Marposso S.p.A. or other companies of the Group in the U.S.A. and other Countries. Some models of the product line, or parts of them, may be subject to export restrictions if exported outside the European Union or may be subject to restrictive measures adopted by the competent national, supranational or international authorities.