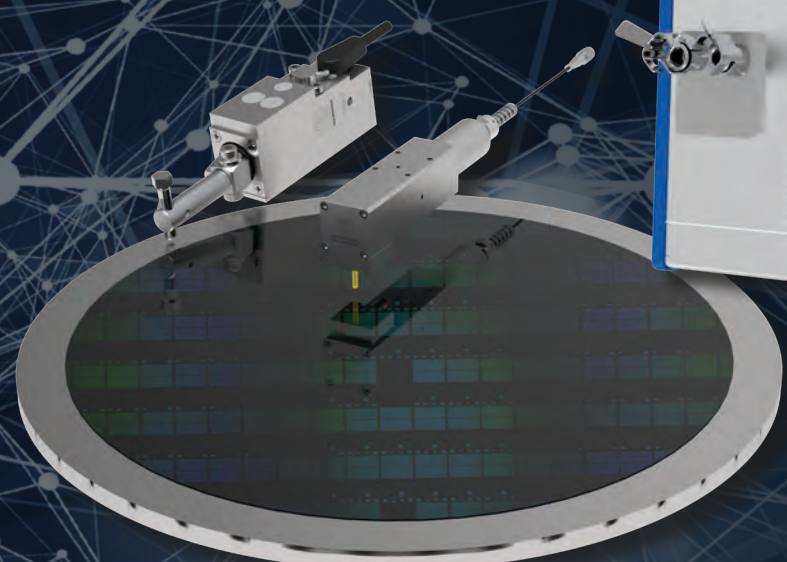


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P3CF

**FOCUS ON
FUTURE**

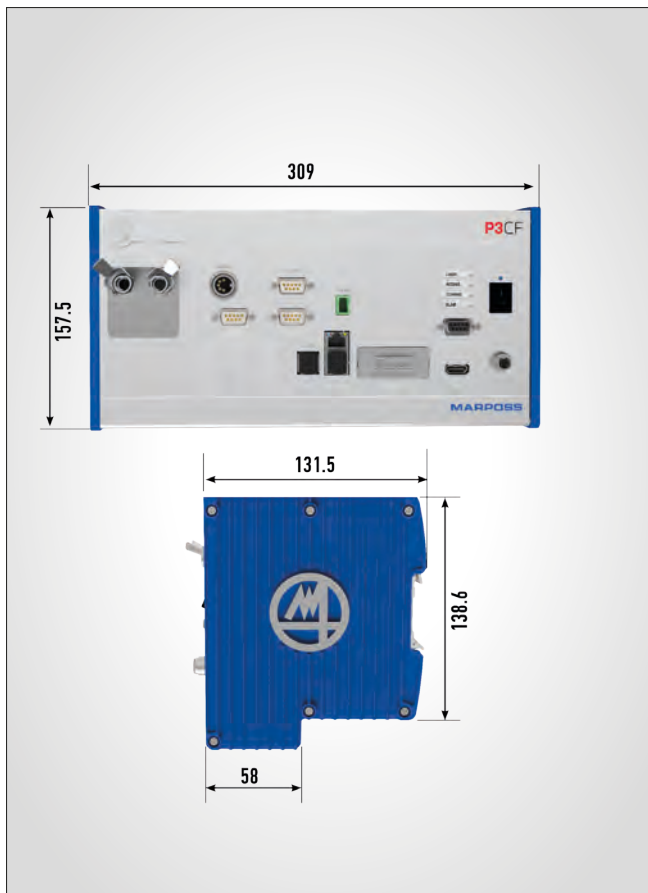
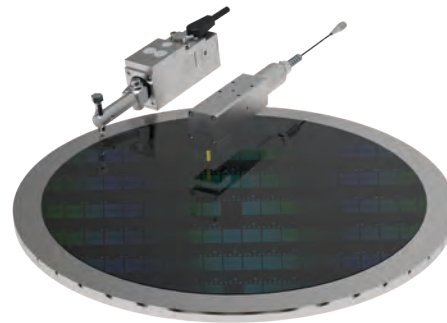


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P3 CF

Finishing process of thin and delicate materials (like ceramics, semiconductor wafers, epoxy mold compound for packaging, etc.) requires accurate thickness measurements not always possible using contact probes. Employing confocal technology, P3CF overcomes such limits by carrying out an indirect measurement of thickness as the difference between the distance of the workpiece and the distance of the reference support

Moreover, since the support is typically a less delicate surface which stands a contact measurement, it is also possible to configure the system for a hybrid measurement combining both contact and optical probes.



P3CF UNIT	SPECIFICATION
MEASURING FREQUENCY	up to 2.000 Hz
LIGHT SOURCE	LED
STANDARD MEASURING MODE	Distance
RESOLUTION	0.25 μm
ANALOG OUT	2 (0-10Vdc)
FIELDBUS	Optional
ENCODER INPUTS	3 digital (TTL/HTL Differential/Single Ended)
WEIGHT	3.5 Kg
POWER SUPPLY / CONSUMPTION	24V / 20W
WORKING TEMPERATURE	5°C - 50°C
PROTECTION RATING	IP40

UNIMAR PROBE	Measuring Unit	Values
WORKING RANGE	[μm]	+/- 2000
WEIGHT	[Kg]	0.45
PROTECTION RATING	IP67	
CONFOCAL PROBE	Measuring Unit	Values
MEASURE RANGE	[μm]	0 - 2000
WORKING DISTANCE	[μm]	2000
SPOT DIAMETER	[μm]	20
WEIGHT	[Kg]	1.1
PROTECTION RATING	IP68	

For a full list of address locations, please consult the Marposs official website

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