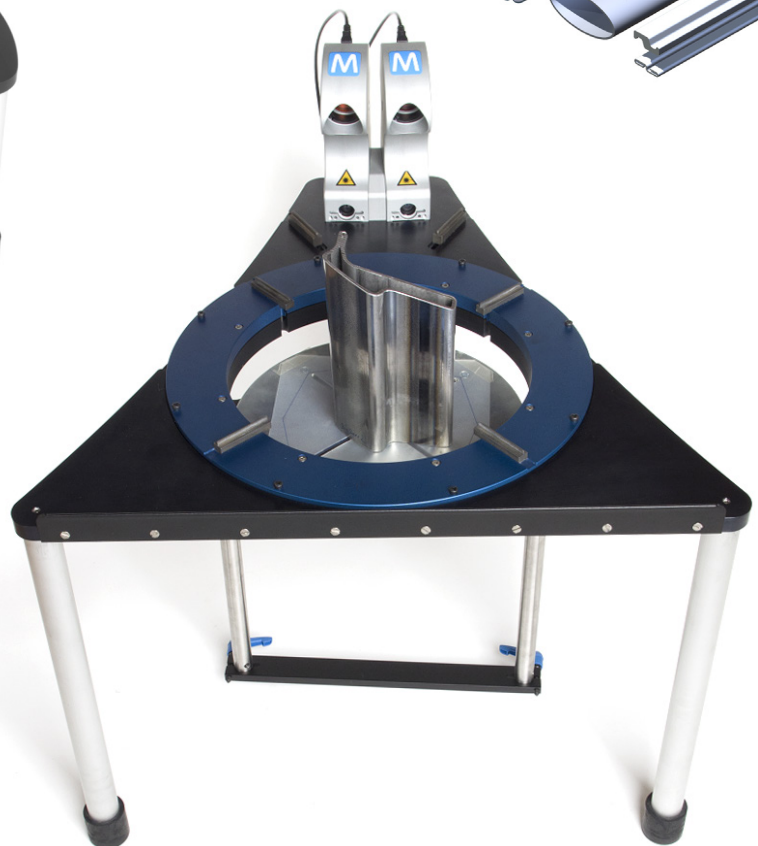
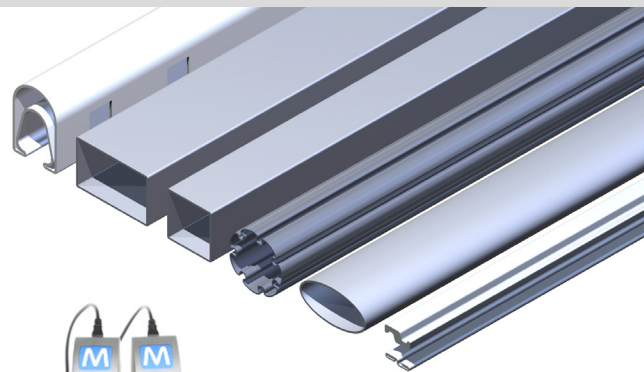
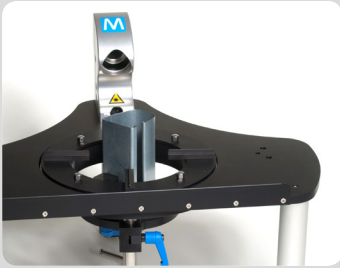


COPRA® ProfileScan Desktop

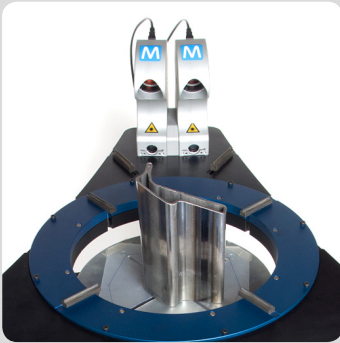
To guarantee constant high quality of tubes and profiles for your customers, the products need to be constantly measured. The COPRA® ProfileScan system of data M represents an accurate and particularly cost-effective solution. Additionally, a full external view of the product cross section is possible due to our patented 360° measuring method.



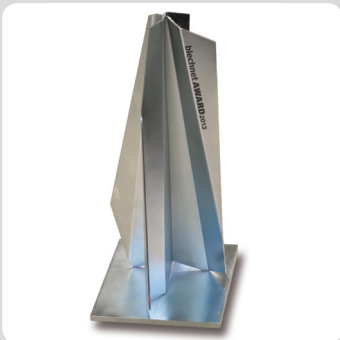
data M
Sheet Metal
Solutions



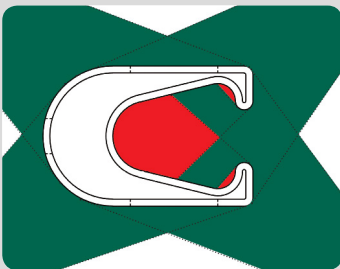
COPRA® ProfileScan Desktop 80



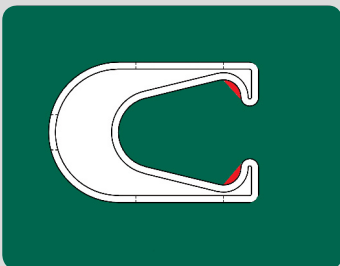
COPRA® ProfileScan Desktop 200



* blechnet Award, Blechexpo 2013



Invisible area with sensoring (4 sensors)



Considerably reduced "dead range" with COPRA® ProfileScan Desktop

Increase customer satisfaction with constant high quality products

For optimal integration into the production process, we focused particularly on a compact design of our device. COPRA® ProfileScan Desktop with its one (CPS 80) or two (CPS 200) sensors and a turntable is small enough for application on a desk. Optical measuring systems are usually equipped with a ring of multiple sensor modules.

The award winning* COPRA® ProfileScan Desktop achieves accurate measurements while being far cheaper due to the reduced number of sensors.

COPRA® ProfileScan Desktop improves your quality management and is cost-effective regarding acquisition and operation

COPRA® ProfileScan Desktop 80 is the first optical measuring device that can measure the whole visible surface with only one sensor module and a turn table. This is achieved by our patented 360° measuring method.

Despite this setup, it is possible to measure large inner areas even with small slots in the profile.

Patented 360° measuring method: Mapping of the entire visible cross section with only one sensor module and a turn table

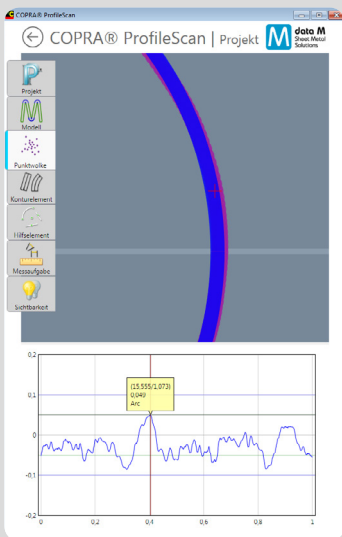
The aforementioned method has its limitation when it comes to larger profiles because measuring fields cannot be scaled at will. To maintain a compact build with almost the same accuracy, COPRA® ProfileScan Desktop 200 was developed with a double sensor. It is able to measure profile cross sections up to a width of 200 mm.

COPRA® ProfileScan Desktop is assembled with minimum effort and can be deployed on multiple production sites due to the included transport suit case. It is connected via USB to a laptop or a desktop computer and doesn't require an external power supply.

Non-destructive and contactless measuring of your profiles

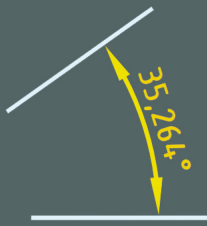



The preparations are fairly simple: short profiles can be measured right away without any reworking. A conventional tactile measurement on sheet metal profiles is mostly unsuitable due to the insufficient number of measuring points.

Additionally, the contactless method facilitates measuring of sensitive and easily deformable material. COPRA® ProfileScan Desktop scans profiles made of Steel, aluminium, wood or plastic. All samples are scanned with the same parameters, so no adjustments of exposure will be needed.



USB: min. USB 2.0
1 (CPS DT 80) resp. 2 (CPS DT 200)
free USB 2.0 ports 2 USB 2.0
Host Controller (CPS DT 200) (recommended)

What kind of measuring functions does COPRA® ProfileScan Desktop offer?

 	Dimensioning of angles: <ul style="list-style-type: none"> • Line to line 	 	Dimensioning of distances: <ul style="list-style-type: none"> • Point to point • Point to point, parallel to a line • Point to line • Point to arc • Arc to arc • Line to line, parallel to another line
	Dimensioning of arcs: <ul style="list-style-type: none"> • Radius • Diameter 		Tolerated dimensioning: <ul style="list-style-type: none"> • Declaration of tolerances for every dimension • Monitoring of tolerances

Specifications

	CPS 80	CPS 200
Measuring Principle	Light section (Laser triangulation)	Light section (Laser triangulation)
Profile length max. ¹⁾	310 mm	760 mm
Profile diameter max. ²⁾	70...80 mm	175...200 mm
Profile width min.:	15 mm	15 mm
Repeatability rel. to measuring field	+/-0,013%	+/-0,018%
Accuracy rel. to measuring field	+/-0,03%	+/-0,04%
Number of sensors	1	2
Dimensions	340/465/310 mm	550/570/575 mm
Dimension case L/W/H	430/495/185 mm	630/660/280 mm

¹⁾ Other dimensions on request

²⁾ In dependence of profile cross section

US-Patent: US 9,127,936 B2



data M
Sheet Metal
Solutions

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