OPTISCHE MESSTECHNIK
OPTICAL MEASURING SYSTEMS
SYSTEMES DE MESURE OPTIQUE

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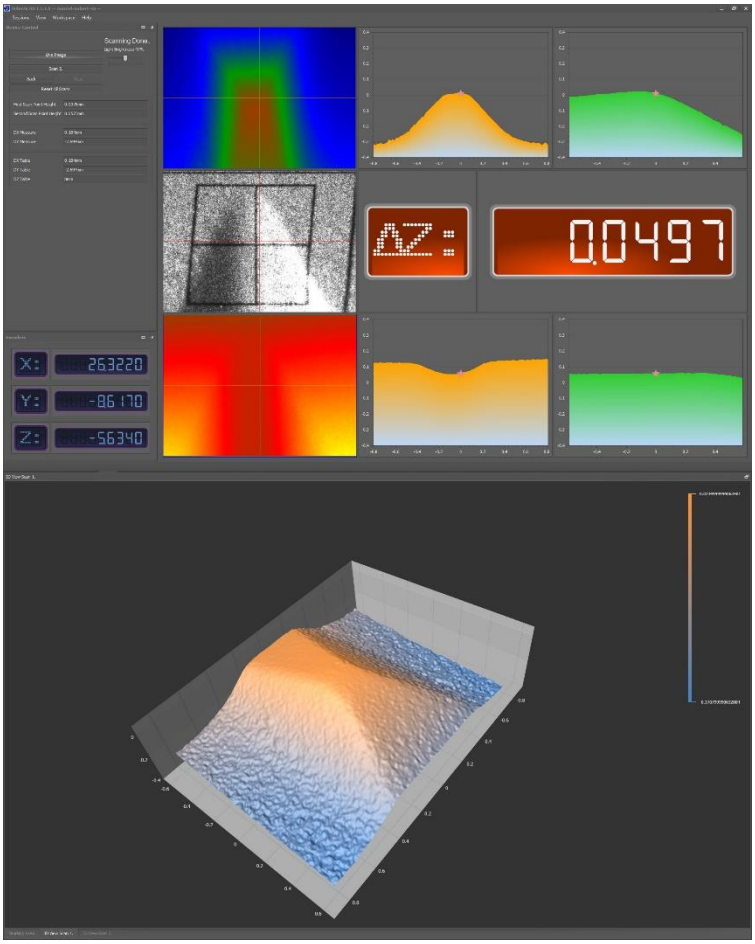
VideoSCAN software



Technical specifications :

Field of view :	1.6 x 1.2 mm
Measuring range :	2 x 0.8 mm + Z-axis
Z-axis resolution :	0.2 µ
Measuring time :	4 seconds
Working distance :	26 mm
Interface :	Ethernet
Light source :	Blue LED
Sensor dimensions :	130 x 55 x 160 mm
Operating system :	Windows 10 (64-bit)

The **VideoSCAN** vertical measuring system is a sensor that optimizes depth measurement without touching the object. Height measurement is performed in a single 3D image or between two 3D images and a movement of the Z axis.

The acquisition of an image is done in 4 seconds and displays the profile with a resolution of 0.2 µm. The interface is perfectly adapted for workshop measurement, fast and very easy to interpret.

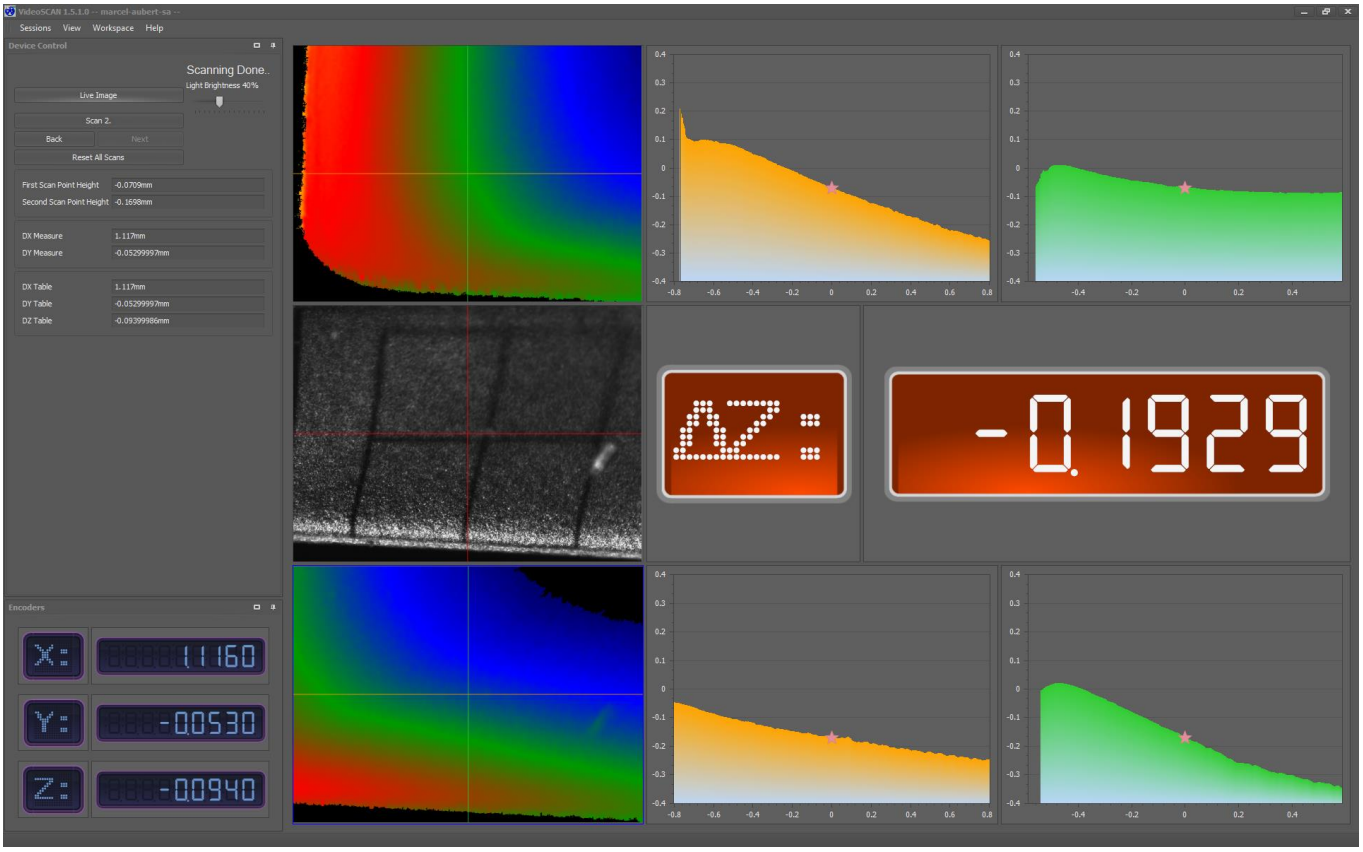
The advantage of non-contact measurement is that it does not exert any force on the object to be measured.

Applications are fragile, deformable, small or finished parts.

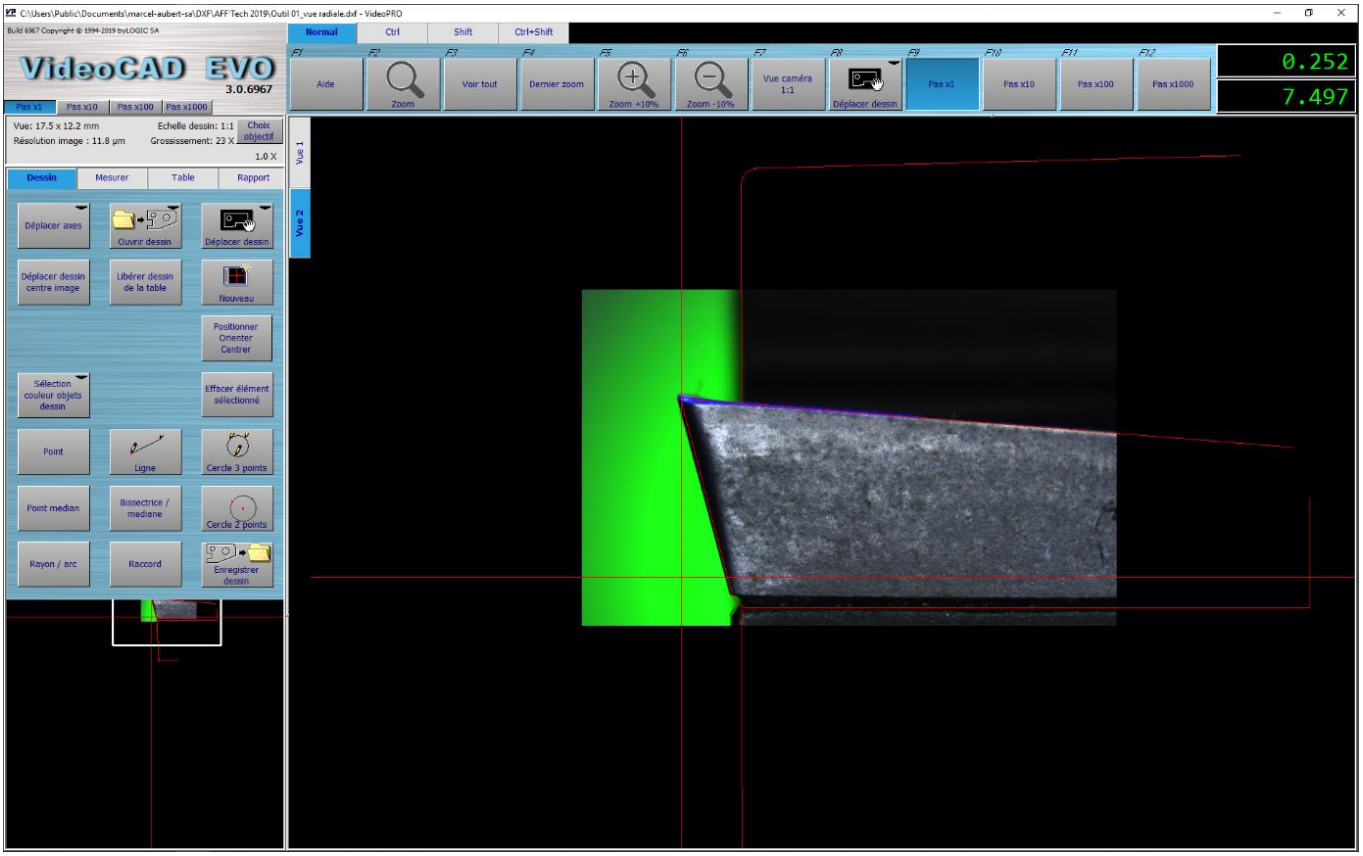
To control your measurements with VideoSCAN, you can guarantee an X-Y positioning of your part with an accuracy of 1 µm by superimposing a DXF file on your sample with the VideoCAD EVO software.

Examples of measurements with VideoSCAN and VideoCAD EVO software:

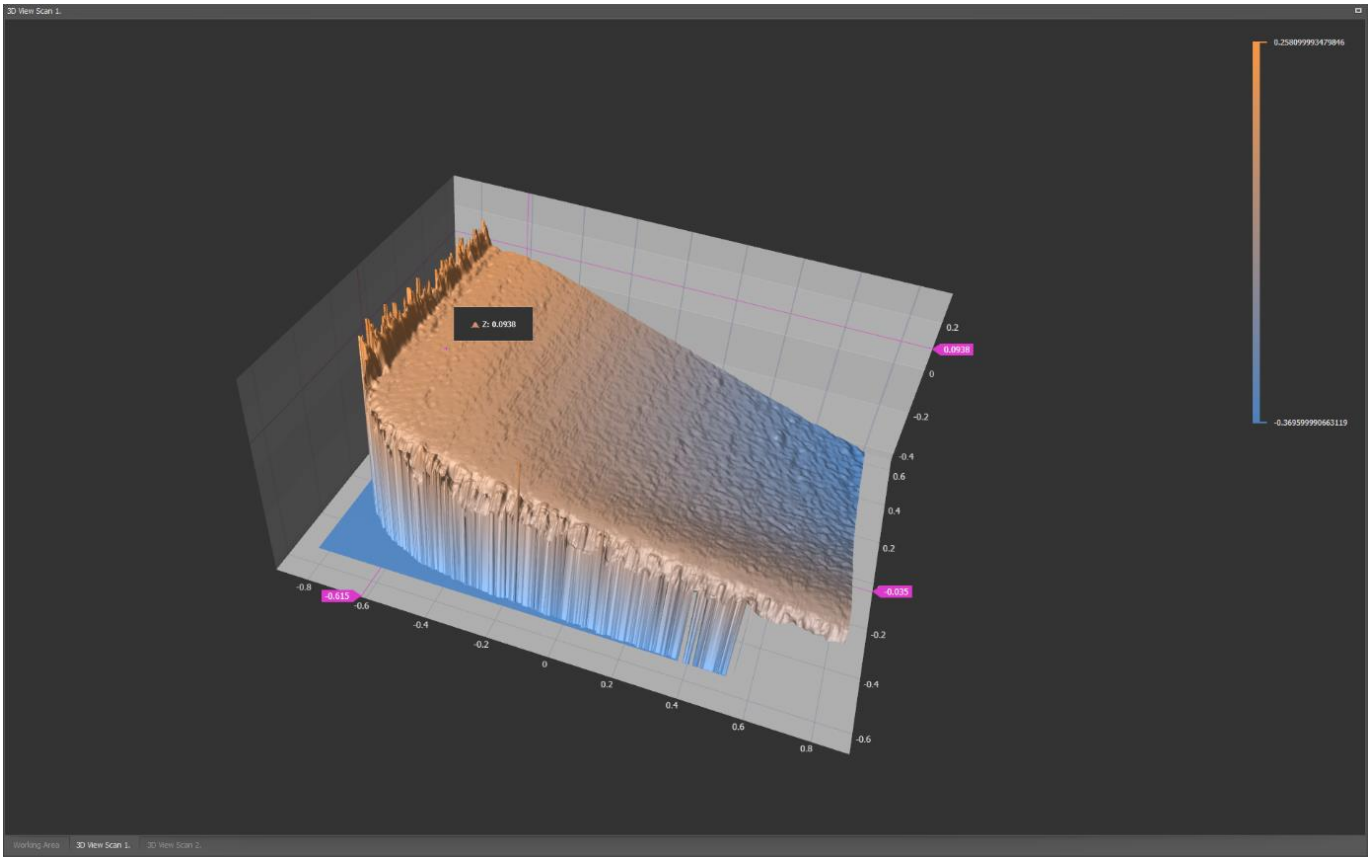
VideoSCAN application representing the cutting of a hard metal plate in two places on the basis of 3D images.



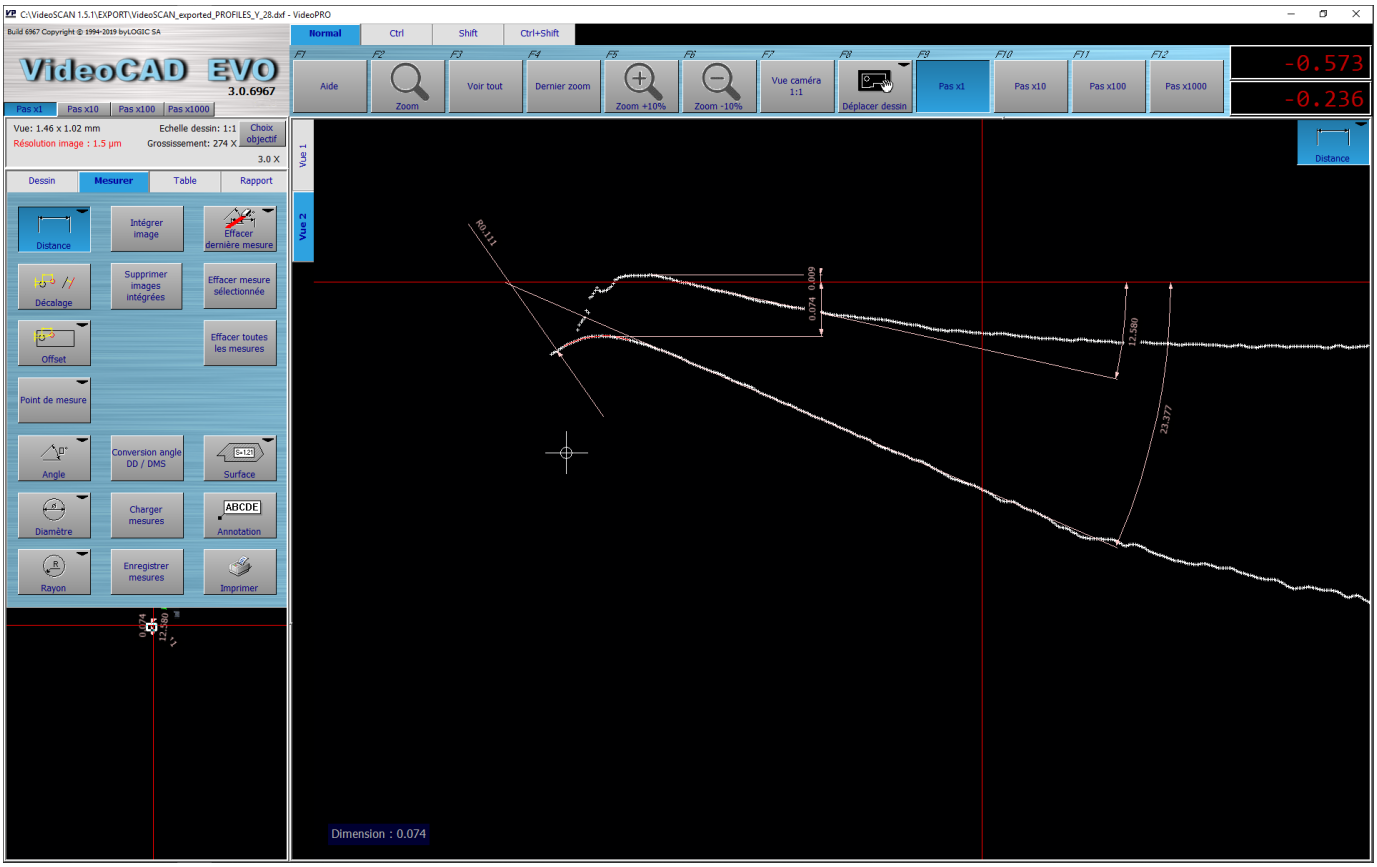
VideoCAD EVO application for profile comparison with virtual image overlay (DXF format).



Representation of the tool in 3D, generated in 4 seconds by the VideoSCAN application.



Import from VideoSCAN of XZ or YZ profiles on the VideoCAD EVO application (in DXF format). Fast and reliable measurement of the cutting angle, radius on the cutting edge and height differences of the cutting edge in the VideoCAD EVO environment.



Our flagship products with VideoSCAN and VideoCAD EVO software:

Video Measuring System Optimum 150 GL - MA 185-304-16

This product, ergonomically advanced, adapted to workshop conditions, allows exceptional precision thanks to its all-marble structure. Its X-Y table is machined in a cast iron steel stabilized for several years.
This measuring system, OPTIMUM 150 GL, guarantees a measurement accuracy of 3 µm / 50 mm on its motorized axes X (150mm), Y (70mm) and Z (150mm).

Video Measuring System Rotatif 150 - MA 185-020-84

This machine is specially designed for cutting tool manufacturers. A marble base supports a Z axis with a camera that rotates around the Z axis. Swinging the camera allows the tool to be repositioned before measurement. The Concentricity Pro (in blue) allows a perfect orientation of the tool for the desired measurement.
Its X-Y table is machined in a cast iron steel stabilized for several years.
This Rotary measuring system, adapted to the workshop conditions, allows all the dimensions of a cutting tool to be measured by rotating around the tool on its Z axis. Diameters and lengths are measured using VideoCAD EVO. The cutting angle and the radius on the cutting edge are measured using VideoSCAN.