

WALTER INFO 16/2014

# HELICHECK 3D

You scan a tool. You get a 3D model.  
You measure. You compare.



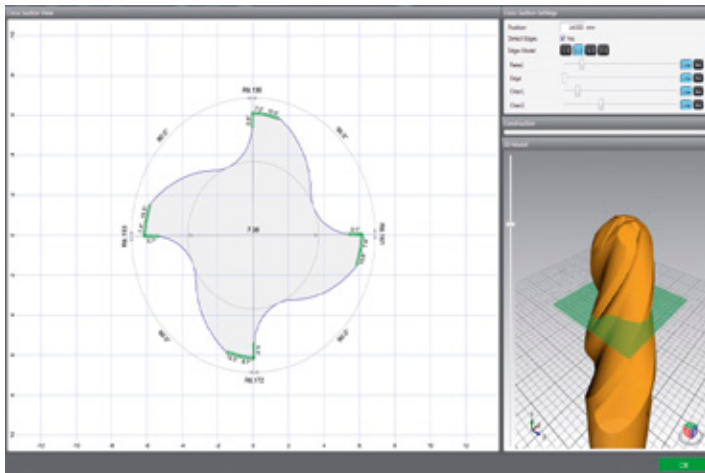
## Benefits

Never easier. Never faster. Never better.  
Now the new HELICHECK 3D features state-of-the-art laser technology for ultra-fast scanning of cutting tools and production parts. As time matters, this technology is perfect for digitizing tools and parts quickly. Whether it is the measurement of the most important parameters or the comparison to the master model: Just do it on HELICHECK 3D!

# HELICHECK 3D

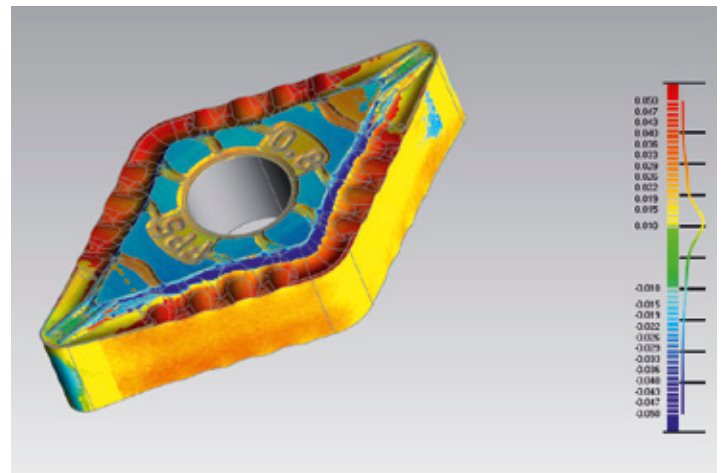
## 3D Tool Analyzer

A powerful software for the analysis of the 3D Model. Easily navigate to the position along the tool length and measure the most important parameters instantly. The convenient slider control let's you do any kind of slices through the tool's cross-section. Important parameters such as diameter, core diameter, indexing, rake and clearance angles but also spiral angle – even with variable lead – are all being measured fully automatically. Mark a whole section along the tool length and measure average values. It is really straight forward, without any further programming.



## 3D Matcher

Compare two models to each other. The 3D Matcher enables the operator to overlay two models and simply match them to each other. The colors represent the deviation and make it very simple to interpret the results. Scan your master part and save it as the master model. Then scan production parts and get an immediate feedback about quality and tolerance. Get immediate information about a whole batch of tools by simply comparing one tool to another. It is quick, it is convenient. It is the 3D Matcher.



Insert courtesy of Walter AG.

## Technical data

Machine basis Solid granite base

### Axes

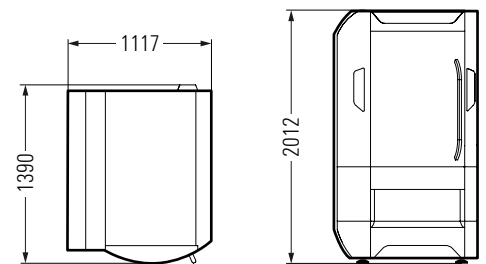
X axis	270 mm
Y axis	455 mm
Z axis	325 mm
A axis	360°

### Accuracy

Length measuring capability E <sub>1</sub> value:	$E_1 = (1.8 + L/300) \mu\text{m}$
Position resolution linear axes	0.02 $\mu\text{m}$
Measurement value resolution	0.25 $\mu\text{m}$

### Please contact us for further information:

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HELICHECK 3D (Dimensions in mm)

