

WALTER INFO 10/2018

# MEASURING THREADING TOOLS

Ultra-precise measurement of taps  
with HELICHECK PRO/PLUS

**NEW**

Measure threading  
tools with maximum  
precision. On HELI-  
CHECK PRO/PLUS.



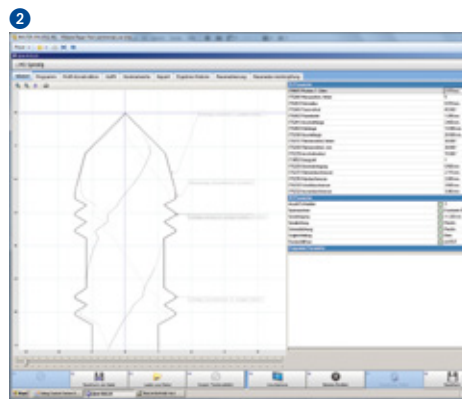
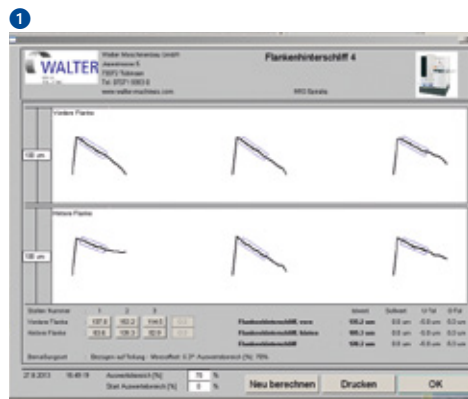
## Benefits

Tactile or optical measurement of critical parameters on taps. Taps can now be measured automatically and reliably using the intelligent QCM software. Added value which manufacturers of threading tools will appreciate.

# Measuring threading tools on HELICHECK PRO/PLUS

The new modules for measuring taps in the QCM software are the prerequisite for measuring complex thread geometries with the customary precision using the HELICHECK PRO/PLUS measuring machines. Due to the complex geometry on the tap, various parameters must be measured by means of a touch probe. Similarly to the production process, tools can be positioned between centres during measurement using the optional centre fixture.

Whether measurement is performed by tactile means or is contactless with the latest image processing technology, HELICHECK PRO/PLUS can now also measure complex thread geometries with maximum precision. An advantage for your quality control. Easy measurement of complex geometries!



## Parameterisable templates

- Easy creation of measuring programs with parameterisable templates
- Time saving
- Fully automatic, operator-independent measurement
- Replaces manual measuring technology
- Reproducible measuring processes and results
- Can also be used for micro threading tools from M1

## Possible measurements

- Nominal thread diameter
- Pitch diameter
- Roller diameter
- Core diameter
- Flank angle (front)
- Flank angle (rear)
- Flank angle
- Chamfer relief drop
- Chamfer clearance angle
- Flank relief
- Head relief drop
- Rake angle
- Back angle
- And many more

## Centre fixture

- For ultra-precise tool holding
- No wobbling error
- For ultra-precise measuring results
- Quick-change interface

### Please contact us for further information:

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- 1 Flank relief measurement 2 Parameterisable template in QCM  
3 Tactile measurement at the tool's flank 4 Centre fixture