

ZOLLER
INSPECTION SOLUTIONS

The measuring machine for the inspection of cutting edge preparation

pomSkpGo

ZOLLER
expect great measures®

Laboratory results in a workshop setting

»pomSkpGo«

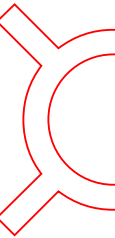
The ZOLLER solution for milling tools and reversing plates scores with 100% workshop compatibility, unlimited mobility, intuitive operation and precisely traceable results. ZOLLER can now satisfy the increasing demand for the optimization of cutting edge preparation. The carbon design of the equipment offers you mobile use with maximum precision. You can always use the machine exactly where you need it.

The major advantages of »pomSkpGo« are easy operation and fast alignment of the tools. This allows even untrained operators to conduct highly accurate measurements by themselves within minutes. Easy to load tool holding fixtures and the fast and universal positioning of the cutting edge under the high-resolution sensors with

live-view form the basis of perfect measuring results.

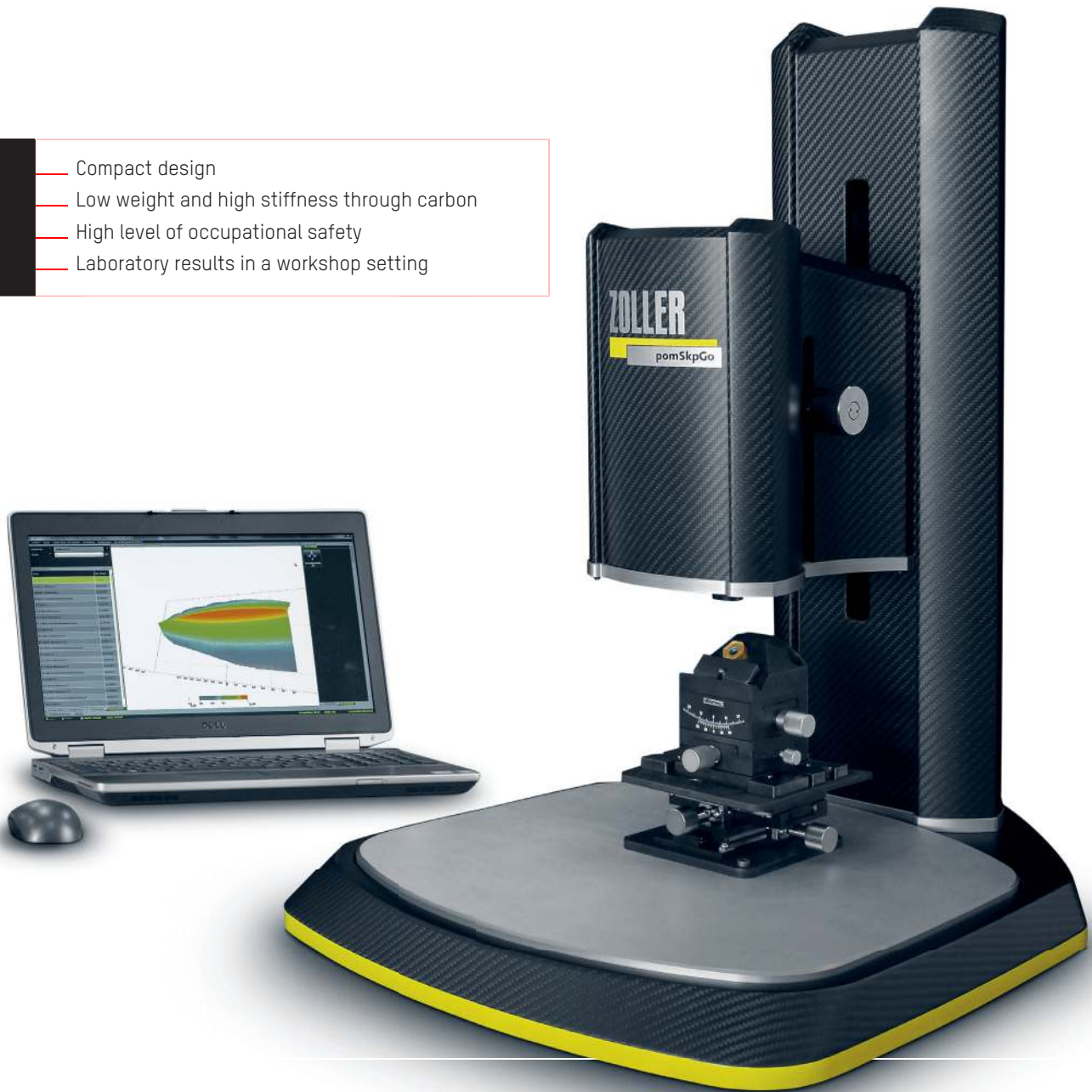
Easy optimal alignment of the tools is possible with the ZOLLER universal holding fixture and the ZOLLER positioning guide. The large working distance between sensor and cutting edge guarantees fast and safe operation.

Mobile application, ease of operation, fast alignment of the tools and a micro-precision result in only 2 minutes: **you can only do this with ZOLLER.**



mobile
fast
accurate

- Compact design
- Low weight and high stiffness through carbon
- High level of occupational safety
- Laboratory results in a workshop setting



Technical data

| | Lateral resolution | Vertical resolution | Measuring volume | Measuring points | Data acquisition | Smallest measurable radius | Working distance |
|------------|--------------------|---------------------|---------------------------------|------------------|------------------|----------------------------|------------------|
| »pomSkpGo« | 1.2 µm | 0.1 µm | 1.6 x 1.2 x 1.0 mm ³ | 1.3 million | 2 seconds | 3 µm | 30 mm |

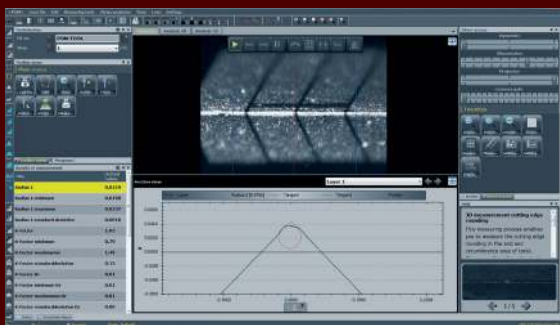
Subject to technical modifications. The depicted machines may include options, accessories and control variants.

ZOLLER »pomSkpGo« with »pomSoft«

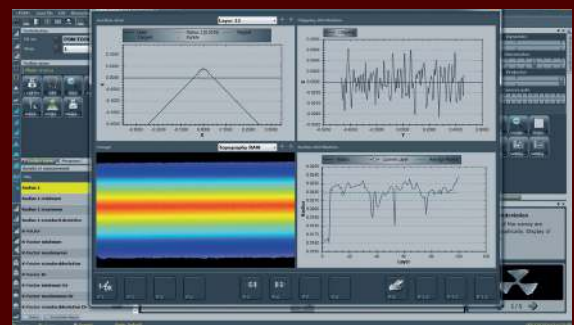
Leading measuring technology and unrivalled software

The »pomSkpGo« combines leading ZOLLER measuring technology with the ZOLLER measuring machine software »pomSoft«. »pomSoft« is based on the proven user-friendly »pilot 3.0« ZOLLER image processing system.

Fast measurement and evaluation

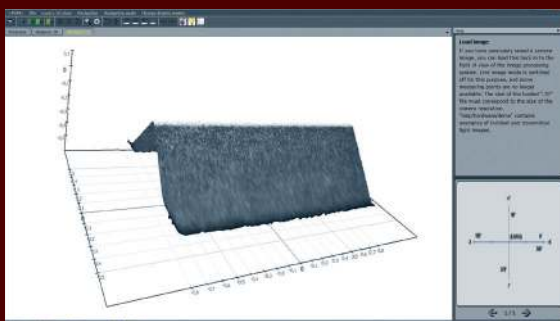


One can choose between a live image or a graphic display. The live image facilitates positioning, alignment and inspection of the cutting edge.

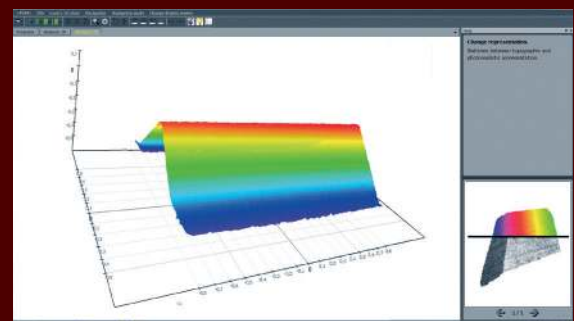


The cutting contours are displayed in a clear manner. At the same time, the evaluated chipping and radius contour are displayed.

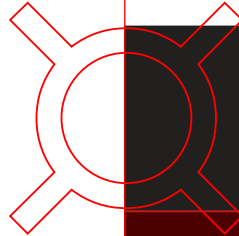
Detailed 3D presentation



The cutting edge can be displayed in different modes: texture presentation for immediate detection of possible surface indentations and surface quality.



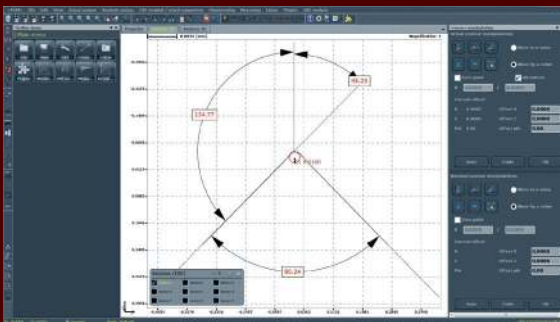
The topographic representation shows the height contours of the cutting edge preparation at a glance.



intuitive operation
fast start-up
direct access to numerous functions

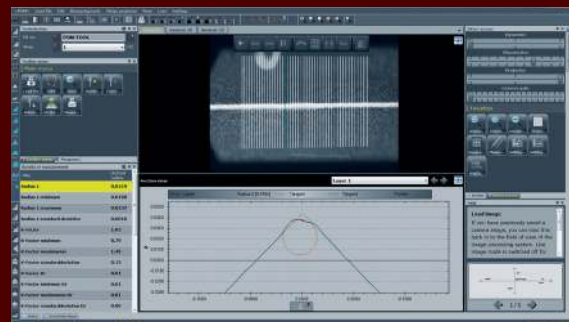
- Graphic interface for intuitive operation
- High measuring speed
- Optimized for use in metrology rooms or in production

Nominal/actual comparison and dimensioning



This function enables a nominal/actual comparison with DDF ideal contours and automatic dimensioning of the section via the contours of the cutting edge.

Live viewing and contours



The live image gives a display, including the contours and the individual steps.

Evaluations with test reports



Accurate analysis of the applied cutting edge preparation can be outputted as pdf or printed protocol.

Full documentation of extensive measurements

The unique »pomSkGo« evaluation software enables automatic evaluation, clear illustration and documentation of the process-oriented measurements of the cutting edge preparation of metal cutting tools. In addition, the software includes automatic calculation of the key parameters k-factor, Δr , S_α , S_γ , ...] of the tools.

For you this means documented quality, greater user confidence and fewer complaints!

Cutting edge preparation

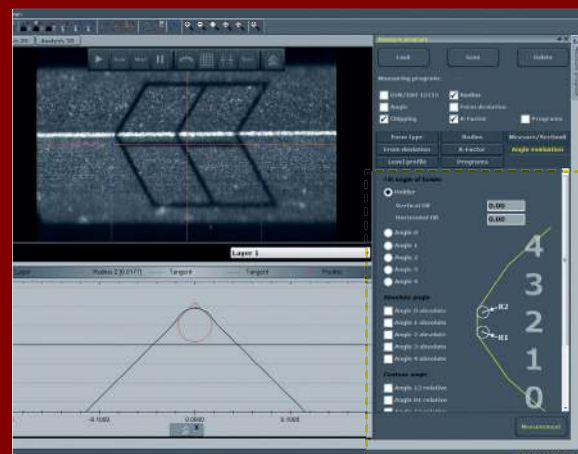
100% workshop-compatible solution of a typical laboratory application



The mobile, easy-to-operate »pomSkpGo« can always be positioned simply where you need it. Due to the freely definable form types, calculation of the form can be adjusted ideally to your cutting edge preparation.

Freely definable forms

You have a free choice of measuring radii, land or its combinations.



Freely definable form types in the configuration menu

ZOLLER »pomSkp6o«

Accessories

ready for operation
in 5 minutes

- Comfortable set-up
- Fast and simple start-up
- Easy alignment

Universal holding fixture

For holding and universal alignment of drills, milling cutters and cutting inserts. Incl. stop, clamping bracket for rotary tools and holding fixture for reversing plates for secure use without accessories.



Holding fixtures for cutting inserts

For safe and convenient positioning of cutting inserts with repeated precision. Available in different variant stages depending on customer requirements. Rapid change interface for adaptable locating elements and fine adjustment per axis. Fig. 1 Two goniometers – plus cross table – plus swivel table

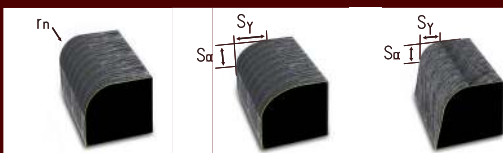


Rounding

Lead radius

Trumpet shape

Waterfall

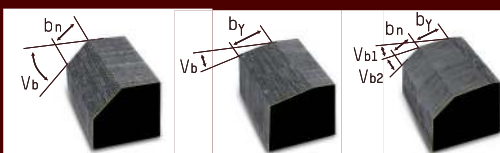


Chamfer

Chamfer

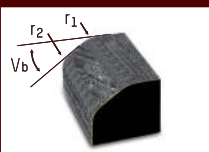
Protective chamfer

Double chamfer



Combination

Chamfer and rounding



Sharp edge

Sharp edge



Positioning aid

Ensures fast and accurate positioning of the cutting edge in front of the high resolution sensor.



Premium-Sensor for smallest cutting edge pre

Precise measurement down to the smallest measurable radius of $3 \mu\text{m}$: 1.3 million measuring points in less than 2 seconds.



Transport case with rollers and extendable grip

Handy and safe packaging in »pomSkp6o«
Transport case with exact fitting impact-resistant inserts.



ZOLLER

solutions

PRESETTING SOLUTIONS

presetting & measuring

SOFTWARE SOLUTIONS

managing tools

INSPECTION SOLUTIONS

inspection & measuring

BUSINESS SOLUTIONS

from A-Z

ZOLLER solutions – comprehensive optimization of your manufacturing operations. ZOLLER combines hardware, software and services into individual system solutions to improve quality, efficiency and productivity. Customers of ZOLLER will benefit from our knowledge as a market leader in the field of tool measurement technology. As a family-run business, ZOLLER guarantees to provide a sustainable and competitive advantage thereby making a measurable contribution to your success.

ZOLLER UK | Tool presetter and measuring machines

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