The measuring machine for the inspection of cutting edge preparation

pomSkpGo

ZOLLER

expect great measures®

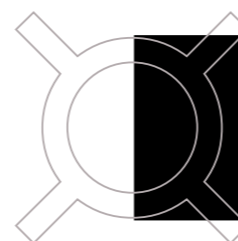**Laboratory results in a workshop setting**

»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.

mobile
fast
accurate

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

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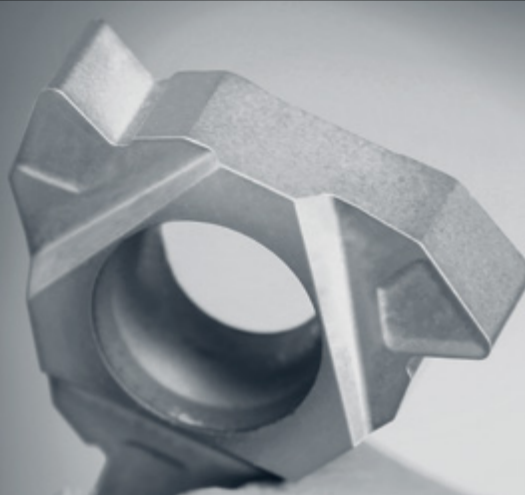
Mobile application, ease of operation, fast alignment of the tools and a micro-precision result in only 2 minutes: you can only do this with ZOLLER.

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 mm³	1.3 million	2 seconds	3 μm	30 mm

Subject to technical modifications. The depicted machines may include options, accessories and control variants.
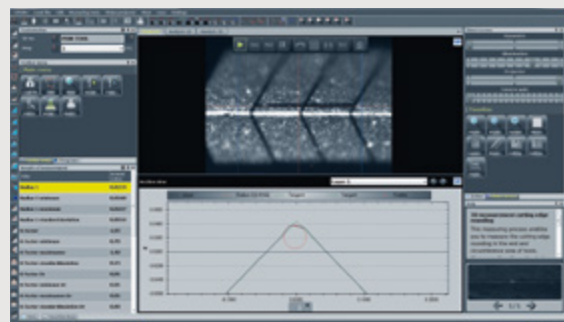
ZOLLER »pomSkpGo« with »pomSoft«

Leading measuring technology and unrivalled software

intuitive operation
fast start-up
direct access to numerous functions

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.
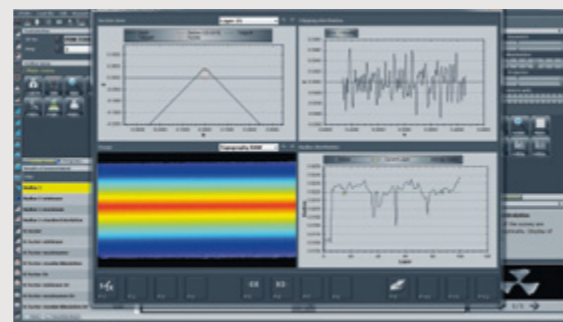
— Graphic interface for intuitive operation
— High measuring speed
— Optimized for use in metrology rooms or in production
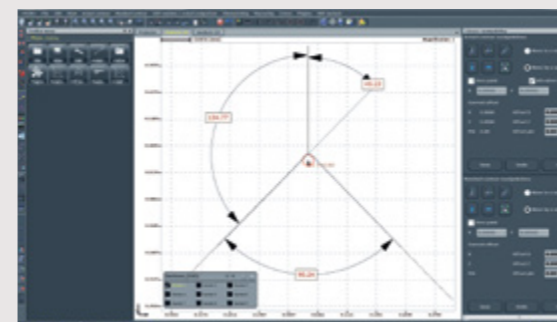
Fast measurement and evaluation

One can choose between a live image or a graphic display. The live image facilitates positioning, alignment and inspection of the cutting edge.
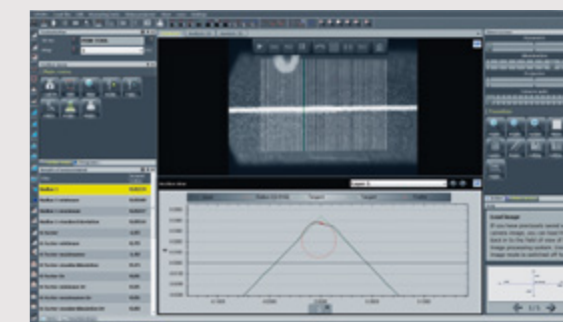
The cutting contours are displayed in a clear manner. At the same time, the evaluated chipping and radius contour are displayed.
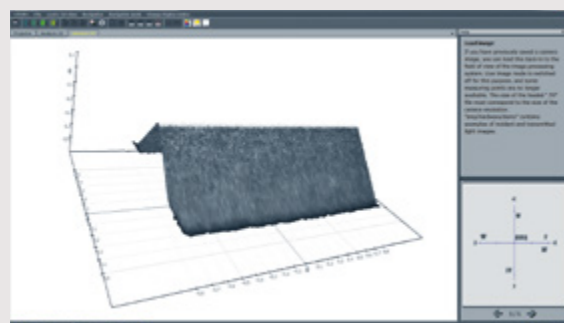
Nominal/actual comparison and dimensioning

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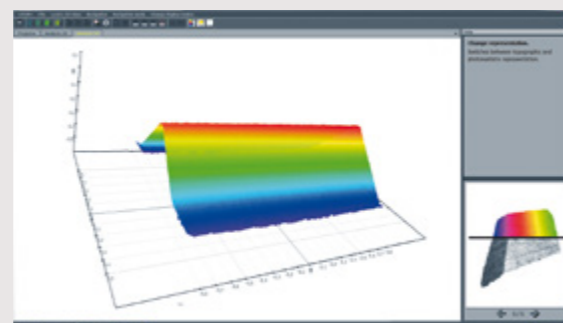
Live viewing and contours

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

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.

Evaluations with test reports

Accurate analyses 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_a, 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.
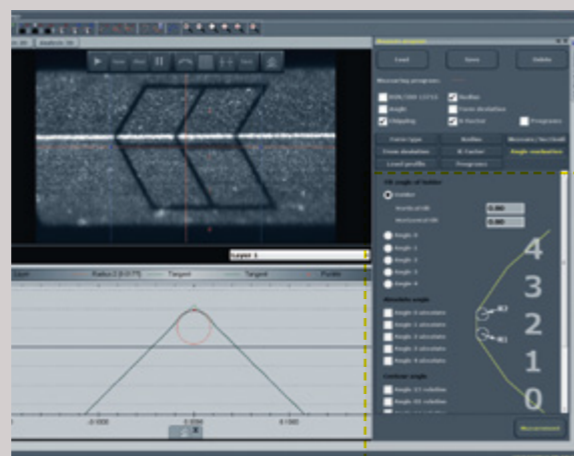
ready for operation in 5 minutes

Comfortable set-up

Fast and simple start-up

Easy alignment
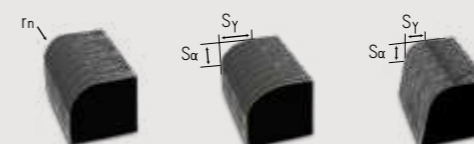
Freely definable forms

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

Freely definable form types in the configuration menu
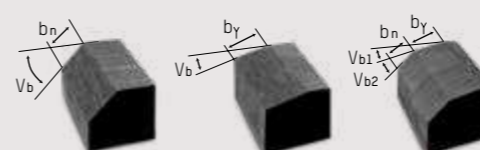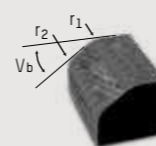
Rounding

Ideal radius	Trumpet shape	Waterfall

Chamfer

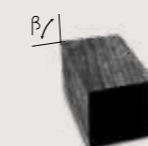| Chamfer	Protective chamfer	Double chamfer

Combination

Chamfer and rounding

Sharp edge

Sharp edge

ZOLLER »pomSkpGo«

Accessories

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.: Two goniometers – plus cross table – plus swivel table

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 µm: 1.3 million measuring points in less than 2 seconds.

Transport case with rollers and extendable grip

Handy and safe packaging in »pomSkpGo« Transport case with exact fitting impact-resistant inserts.
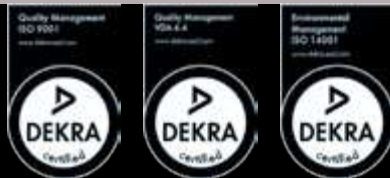
ZOLLER **solutions**

PRESETTING & MEASURING

TOOL MANAGEMENT

INSPECTION & MEASURING

AUTOMATION

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.

Quality Management ISO 9001

Quality Management VDA 6.4

Environmental Management ISO 14001

DEKRA Certified

DEKRA Certified

DEKRA Certified

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