

GÜHRING

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3001



- Automatic length setting
- Simple operation
- Tool management and process analysis

Induction Shrink Fit Systems

GÜHRING – YOUR WORLD-WIDE PARTNER

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Work easily, quickly and efficiently ...

The advantages of shrink fit technology:

- **Perfect 360° tool clamping provides extreme clamping force and rigidity**
- **High repeatability**
- **Minimal imbalance thanks to rotational symmetry**
- **Excellent concentricity for symmetrical cutting edge loading – therefore longer tool life**
- **Reduced components, therefore lower costs for purchasing, storage and administration**

You benefit from:

- **High economic efficiency thanks to effective mode of operation**
- **Full transparency due to process analysis**
- **Absolutely user-friendly**

User-friendly software

Intuitive menu navigation similar to the well-established Guhring TM-Software GTMS via touch-screen monitor (for details see page 5).

... with each application!



Safe shrink fitting

The minimal heating of the shrink fit chuck ensures **maximum operating safety** on the one hand, on the other the controlled heating ensures the **long life** of the shrink fit chuck.

Fume extraction

Vapours produced during the shrink fit process are **removed and filtered under controlled conditions** by the fume extraction system.

Length setting

During the shrink fit process the tool is pre-set to the **required length** with the assistance of an adjustment rod.

Quick cooling

The water-cooled cooling elements cool down the shrink fit chuck quickly and safely. The shrink fit chuck remains clean and dry, **so that it can be applied again without drying and without rusting**. Hot spots remain safely screened during the cooling process in order to prevent burns.

Tool identification coding chip

The read and write function of the coding chip art. no. 4955 simplifies **tool identification**. Tool life can be managed.

Label printer

Print data such as Guhring no., current setting dimension, date, operator etc. on an **adhesive label** for your pre-set tool.



Important features:

- > Setting, shrink fitting and measuring with one system
- > Operating system WIN7
- > Stable Beckhoff control system with touch-screen and foil keyboard
- > Compact, workshop suited and robust design
- > Ergonomic arrangement of all operating elements for comfortable handling
- > Label printer for providing pre-set tools with information such as Guhring no., setting dimension, Barcode, and much more...
- > Setting and measuring accuracy 0.02mm

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“Everything has its place”

Stop plates for every diameter are accessibly stored directly on the guide column.

“Good accessibility”

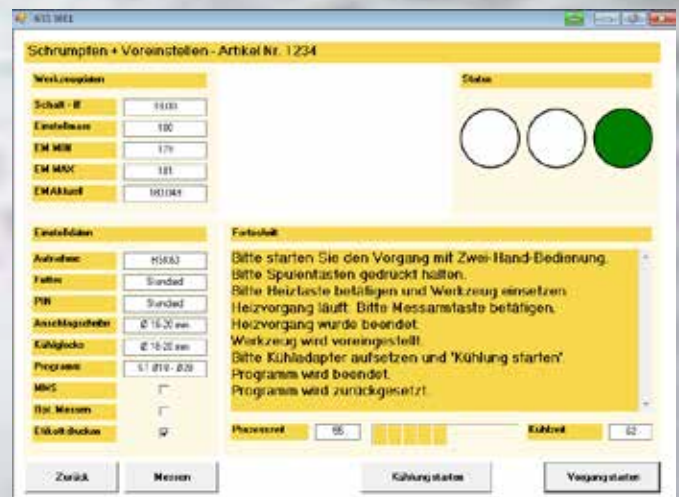
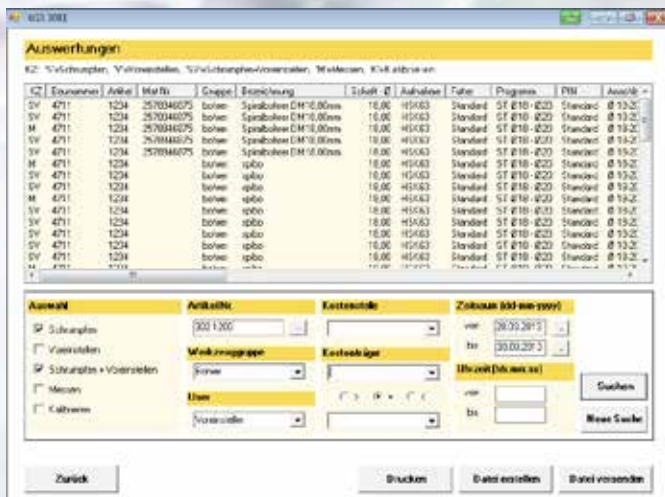
Good accessibility to all machine components provides excellent conditions for cleaning and maintenance purposes, i.e. re-filling coolant by simple opening of drawer.

Economic: The Speedcooler switches off automatically when not in use for a longer period of time.



GSS Software performance features:

- > Intuitive and user-friendly operation thanks to 12" touch-screen and Barcode scanner
- > Comprehensive management possibilities for your tool, holder and shrink fit data as well as the associated parameters
- > Analysis of all processes carried out by system (component, cost centre or user related; setting up to 5 cost centres possible) to optimise your production and for maximum transparency possible
- > Software available in different languages





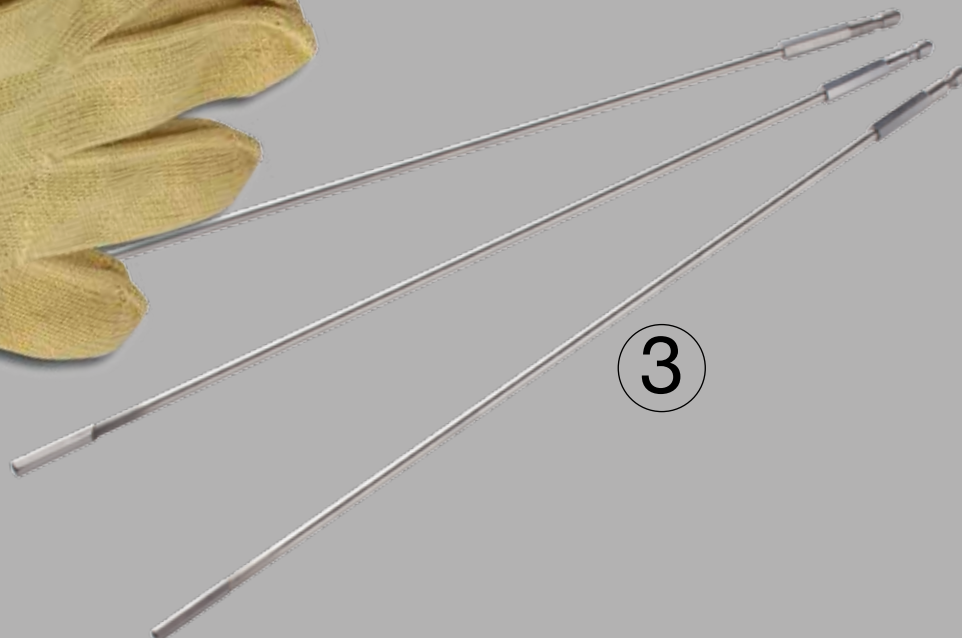
- 1) **Additional holder receptacle**
Additional mobile receptacle for cooling of holders

ACCESSORIES

- 2) **Gloves**
Cut and temperature resistant Kevlar gloves, mandatory for all shrink fit applications.



- 3) **Adjustment rods**
SW 4, 5, 6 and wet adjustment rods for tool length-setting in chucks for wet and MQL machining



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4) Pliers

For the safe handling of hot tools.

THERMO SECURE GOLD 3000

**Perfect combination:
GSS 3001 + TSG 3000**

perfect concentricity
highest balance
maximum operational safety



ML
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