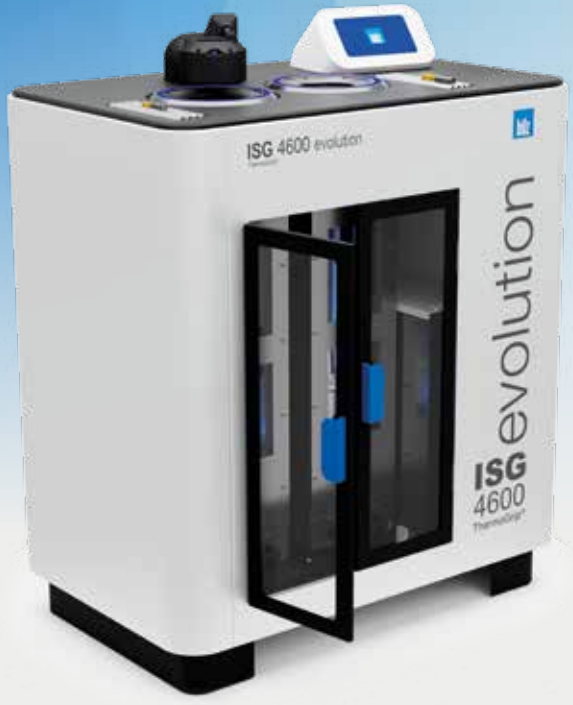
ThermoGrip®

ISG 4600 evolution

The Evolution of Shrink-Fit Technology

INTELLIGENT - FULLY AUTOMATED - SAFE

The ThermoGrip® **ISG 4600 evolution** Shrink Unit automatically detects the tool geometry, adjusts the iris coil and selects the optimal process parameter. Shrinking, cooling and drying are combined in one fully automated process.





MORE AUTOMATION - GREATER SAFETY - INCREASED PRODUCTIVITY

- Fully automatic geometry detection
- Automatic selection of shrink parameters
- Automatic adjustment of the iris coil
- Fully automatic clamping range from **3 to 32** mm
- Reproducible and reliable processes
- Particularly easy to use

POSITION - START - PERFECT SHRINKING

With the **ThermoGrip® ISG 4600 evolution**, Bilz Werkzeugfabrik has further developed the inductive shrink technology.

Intelligent sensor technology, automated process control and a comprehensive safety concept ensure a reproducible, convenient and efficient shrink process.

The system automatically recognises the specific geometry, adjusts the iris coil accordingly and selects the appropriate shrink parameters. In this way, each process is optimally tailored to the tool and chuck being used.

PRODUCTIVITY IN A DOUBLE PACK

The ThermoGrip® ISG 4600 evolution has two cooling positions.
This allows the individual work steps to be efficiently linked together.

While a shrink chuck that has already been heated is being cooled, the next shrinking process can be prepared and carried out.

This process reduces waiting times and enables a continuous workflow.



INDUCTIVE SHRINKING REIMAGINED



COMPLETELY COMPRESSED-AIR-FREE OPERATION

No compressed air supply is required to operate the **ThermoGrip® ISG 4600 evolution**. An optimised drying process removes any remaining liquid after the cooling process, without the need for additional compressed air.

The unit therefore reduces the demands on the operational infrastructure and simplifies installation at the desired location.

» Clean cooling. Working without compressed air «



YOUR BENEFITS

- No external compressed air supply required
- Optimised drying following the cooling process
- Easier integration into the production environment
- Reduced installation effort
- Cleaner and more comfortable operation

SHRINK, COOL AND DRY. COMPLETELY WITHOUT COMPRESSED AIR.

ThermoGrip®
ISG 4600 evolution

FLEXIBLE FOR A VARIETY OF APPLICATIONS



The ThermoGrip® ISG 4600 evolution covers a clamping range of 3 to 32 mm in fully automatic operation.

For additional applications, the clamping range can be extended to up to 50 mm during manual shrinking.

The interchangeable spool system provides further flexibility for a variety of applications.

With tool interfaces up to HSK 100 or SK 50, a maximum tool weight of 10 kg and a tool length of up to 680 mm, the machine is also designed for demanding tool configurations.

ISG4600-WK-11-WS-T-BIL induction shrink unit	
Ident No.	**5248921**
Maximum toolholder interface	HSK 100 or SK 50
Maximum tool assembly weight	10 kg
Maximum tool assembly length	680 mm
Maximum cooling length	460 mm
Fully automatic clamping range	3 to 32 mm
Manual clamping range	Extendable up to 50 mm
Dimensions W × D × H	1.100 × 690 × 1.300 mm
Cooling positions	2
Cooling system	Contour-independent liquid cooling
Compressed air supply	Not required



Click here to view our ThermoGrip® ISG 4600 evolution Shrink Unit

Our General Terms and Conditions apply, these can be viewed at https://www.bilz.com/conditions

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Further development; we reserve the right to make changes in line with technical progress. Any printing errors or subsequent changes of any kind shall not give rise to any claims. 5252144 Version 09.2026