ZOLLER
expect great measures

The Heat Shrink System with Optimal
Energy Efficiency and Maximal Safety

powerShrink

Made by ZOLLER

powerShrink|400

"

We, the family-owned
technology company, ZOLLER,
focused our experience and
competences for this new
product development, as such,
we are setting yet another
milestone and rounding off
the ZOLLER product portfolio.

Typical ZOLLER:
Everything from a single source.

CHRISTOPH ZOLLER, ALEXANDER ZOLLER
Management

We Stand for Smart **Progress**

ECONOMICS

Clamping and unclamping tools in record time and saving energy and conserving tool holders: You get all these benefits with the inductive »powerShrink« heat shrink system. When developing this device, ensuring maximum energy efficiency as well as a fast and reliable shrinking process was very important for ZOLLER – allowing more profitability in your production. With the »powerShrink« machine series, you increase production efficiency.

The interaction of the components of this heat shrink system is unique: Increased profit is coupled with maximum safety. Discover the ZOLLER »powerShrink« heat shrink system system now, with our **strengths revolving around quality, efficiency, comfort** and benefit immediately from all of the advantages provided by this machine series.

solutions.zoller.info/en/powershrink

- Remarkable sustainability
- Unique operating concept
- Certified safety

ZOLLER
expect great measures

powerShrink|400

Unbeatable ZOLLER Clamping Technology

Technologically and ergonomic-
ally, »powerShrink« leaves
nothing to be desired. You benefit
from an induction system that
is perfectly aligned to your
heat shrink tool holder,
the technologically-perfected
cooling systems and the
ergonomic and simple operator
guidance with the aid of
the innovative LED-controlled
ZOLLER »actbyLight«
operating concept.

»actbyLight« guides you safely through
the clamping process and includes
the »shrinkbyLight« coil function, the
LED-control on the induction coil, and
the LED operating guide »coolbyLight«
on the cooling system.

»powerShrink 400«

»powerShrink 600«

We Stand for Reliable **Quality**

PRODUCTION

100% made in Germany – that is our primary mission, and we work hard to ensure we achieve our goals. Thanks to an expansion of our production site in Pleidelsheim, Germany, our production is now even more efficient and economical.

The ZOLLER assembly – a team of specialized, competent employees from assembly and quality assurance ensure, day by day, that your »powerShrink« reaches your production facility in perfect condition. Your »powerShrink« does not leave the assembly line until all our employees are 100% satisfied, and the machine has the ZOLLER seal of quality. We are proud of this.

"

We have stood for "Made in Germany" since 1945. We are very proud that 100% of our development and assembly is done in Pleidelsheim. We make sure that you receive a tested and certified ZOLLER product.

ALEXANDER HAAS, STEFAN KAHN
Part of the ZOLLER assembly team

Efficient line assembly

Production at a premium level

100% made by ZOLLER

We Stand for Targeted **Efficiency**

TECHNOLOGY

ZOLLER puts economic action on a par with sustainable action. Only those who manufacture with resource conservation in mind are able to both protect the environment and save money long term. With its unique heating process, »powerShrink« leads the way into a more energy-efficient future:

The ZOLLER induction system – the key components of this new product development. The efficiency of the ZOLLER shrinking process amounts nearly 1 to 1. This energy input could be achieved because of the intelligent power electronics and the induction coil with two windings. The consumed energy is the same energy that arrives at your shrink fit tool holders. They shrink-clamp faster, require less energy and go easy on your holders in the process. Intelligent components are combined, for more efficiency: With »powerShrink« you are well equipped for a more sustainable future.

„

Using resources correctly and effectively is our motto. We leave nothing to chance. Instead, we focus the shrink-clamp process on 100% efficiency – unique, innovative and simply phenomenal.

CHRISTIAN PFAU, DOMENICO MELE
Head of Research and Development, Design Engineer HighEnd Projects
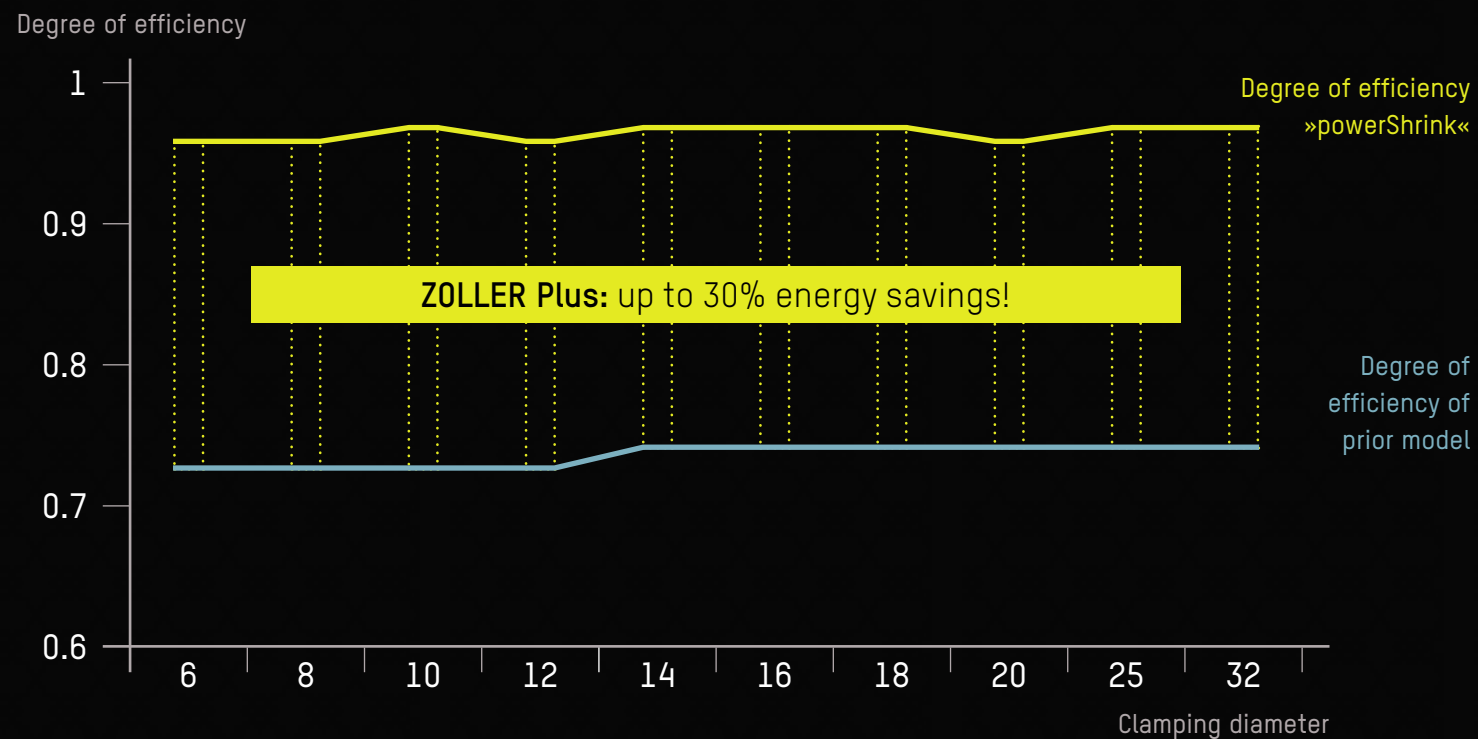
* compared to the predecessor model

Less Energy,
Maximum Profit

With the ZOLLER »powerShrink«, you save time, reduce your electricity costs and protect your shrink fit tool holders, thanks to the reliable interaction of electronics, software and mechanics and a well conceived, reliable shrink process.

With ZOLLER's induction technology, you heat your shrink fit tool holders optimally. For you, this means: consistency, across the entire clamping range and only for as long as necessary. This gives you shorter heating and cooling times, shorter cycle times, protects the tool holders and increases their lifetime.

A particular advantage of »powerShrink«, with which ZOLLER is making its contribution to sustainable use in production, is the **energy savings of up to 30%** when compared to the prior available model. We are especially proud of that. The heat and energy arrives exactly where you need it to safely shrink and unclamp your tools.

Degree of efficiency

Degree of efficiency »powerShrink«

ZOLLER Plus: up to 30% energy savings!

Degree of efficiency of prior model

1

0.9

0.8

0.7

0.6

6   8   10   12   14   16   18   20   25   32

Clamping diameter

Compact Top Class

Safe, free cooling bell guidance – ensures maximum comfort and safety with the help of a simple fixating mechanism when attaching the cooling bells.

Innovative default cooling bells – for the rapid cooling of your heat shrink tool holders. High-quality information of the tool diameters provides information about the correspondingly correct cooling bell.

Optionally, the »powerShrink 400« is also available with cooling bells, including »coolbyLight« operator guidance and temperature check or with »zStream« air cooling.

Robust and smooth work surface – made from stainless steel, offers sufficient space for the heating and cooling of your heat shrink tool holder. The material is optimally aligned to the mounting pot so that shifting the tool is easy, quiet and fast.

Ergonomic storage boards left and right – offers space for positioning cleaning brushes, safety gloves, cooling adapters and holding rings close to the process, thereby rounding off the ergonomic operation of the machine.

Large storage space – offers sufficient space for cooling components and flue gas suction device.
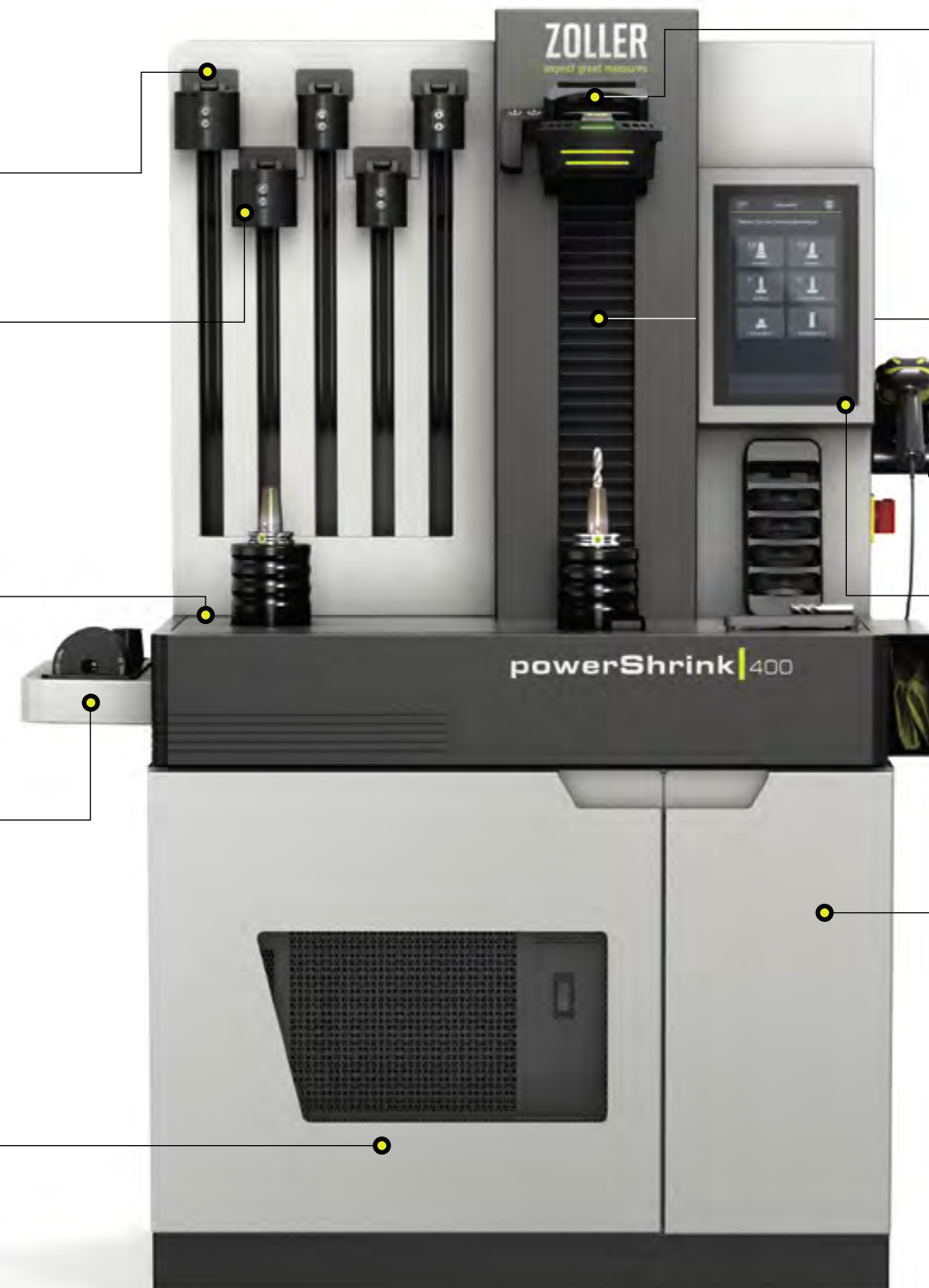
Intelligent induction coil with screening plates – with ergonomic handle on the left side, including membrane function buttons for moving the coil and activating the heating process.

The »shrinkbyLight« operator guidance system uses LEDs to provide information about which windings are active at the moment and ensures that the correct pane is inserted into the coil for the stored data record. »shrinkbyLight« literally gives the green light for the further shrinking process and, in so doing, ensures maximum safety. The flue gas suction device ensures that the operator is protected.

Optionally, the »powerShrink 400« is available as a »varOct« coil.

Smooth-running induction coil axis – for fast and comfortable movement of the coil The pneumatic release of the axis clamping, the high-precision THK linear guide and the counterweight allow the operator ergonomic workflows and a long service life. The maximal tool length is 18.1102 inch (460 mm).

Practical hand scanner – for a rapid and safe start of your shrink-clamping process. Simply scan the DataMatrix code on the ZOLLER »idChip«, and you will immediately have all necessary shrinking parameters available in the »pilot« software.

Industrial 12.5-inch TFT touch monitor, with ZOLLER »pilot« software – impresses with a razor-sharp display and simple operation via touch. The clearly-structured graphic software interface intuitively guides you through the shrink process, with the help of large function areas and colors. The intelligent cooling system, the cooling manager, coordinates the cooling times depending on the chuck diameter and switches off the cooling module after a defined time. This saves additional energy in the shrink process.

Optionally, the »powerShrink 400« is also available without monitor and with a control via a membrane keypad.

Stable table – provides the perfect basis for a long-lasting product, thanks to its particularly robust construction. For maintenance and checks, the front door can be opened and the water cooler, mounted on a drawer, can be pulled out.

Optionally, you can get the table on rollers and with an ergonomic handle for flexible positioning of the »powerShrink 400« in your production or as a workbench version without table.

Device shown includes options and accessories

High Performance Interaction

Innovative cooling bells with »coolbyLight« operator guidance and cooling management and diameter display – guide the operator safely through the cooling process, with the help of the color system and the LEDs on the cooling bells. In addition, the cooling bells are labeled with the corresponding tool diameters in a high-quality manner.

The »powerShrink 600« is optionally also available with default cooling bells or with »zStream« air cooling.

Smooth-running, linear, mechanical cooling bells guide – permits exact and safe positioning of the cooling bells on your heat shrink tool holders. A correction weight ensures that the cooling bell does not drop abruptly when it is released via the push-to-release mechanism. This is safe and provides protection against injuries. The guide also ensures that the cooling bell does not touch the cutting edge during placement, thereby preventing damage to it.

Optionally also available in simple fixation mechanism version.

Robust and smooth bearing surface – made from stainless steel, offers sufficient space for the heating and cooling of your shrink-clamping chuck. The material is optimally aligned to the fitting molds so that shifting the tool is easy, quiet and fast.

Stable table – provides the perfect basis for a long-lasting product, thanks to its particularly robust construction. For maintenance and checks, the front door can be opened and the water cooler, mounted on a drawer, can be pulled out.

Large storage space – for cooling components, flue gas suction device and for storing your accessories such as the unclamping device. All components are stored in a structured and tidy manner in three compartments integrated in the table, including an extendable drawer.

Device shown includes options and accessories

Smooth-running induction coil axis – for fast and comfortable movement of the coil The pneumatic release of the axis clamping, the high-precision THK linear guide and the counterweight allow the operator ergonomic workflows and a long service life. The maximal tool length is 23.622 inch (600 mm).

Intelligent induction coil with »varOct« screening plates – with ergonomic handles on the left and right side, including membrane function buttons for moving the coil and activating the heating process. Thanks to the maximum diameter of 1.80315 (45.8 mm), tools with larger cutting diameters can also be simply clamped and unclamped. With the help of a grid, the inner diameter of the »varOct« can simply be adjusted to the required diameter, either manually or in an automated manner.

Apart from »coolbyLight«, ZOLLER »shrinkbyLight« is one of the two functions of the ZOLLER »actbyLight« control concepts. This optionally available operator guidance of the coil uses LEDs to indicate which windings are active and whether the selected diameter is in accordance with the selected data record. This rules out the possibility of an incorrectly set coil! The flue gas suction device ensures the operator's safety.

Practical hand scanner – for a rapid and safe start of your shrink-clamping process. Simply scan the DataMatrix code on the ZOLLER »idChip« and you will immediately have all necessary shrinking parameters available in the »pilot« software.

Industrial 12.5-inch TFT touch monitor, with ZOLLER »pilot« software – impresses with a razor-sharp display and simple operation via touch. The clearly-structured graphic software interface intuitively guides you through the shrink process, with the help of large function areas and colors. The intelligent cooling system, the cooling manager, coordinates the cooling times depending on the tool diameter and switches off the cooling module after a defined time. This saves additional energy.

Ergonomic storage boards left and right – offers space for positioning hand scanners, cleaning brushes, safety gloves, cooling adapters and holding rings close to the process, thereby rounding off the ergonomic operation of the device.

ZOLLER

powerShrink 600

Smart Design for Maximal Efficiency

The ZOLLER induction coil, an intelligent, well-conceived »powerShrink« highlight. Two parallel-connected windings within the coil can be activated can be activated and controlled separately, depending on the clamp diameter and length. This enables optimum energy input into the clamping area, accelerating the heating and cooling process, in addition to protecting your tool-holding fixture.

If you choose the »varOct« screening variant, you can look forward to even more convenience and perfect preparation for automated processes. »varOct« adjusts itself, either manually or fully automatically, to the diameter of the tool used. **Scan the QR code and see** the ZOLLER induction coil in the video!

01 **Coil with screening plates**
Simple and safe: Position tool, insert correct screening plate and shrink-clamp. An optional diameter monitoring feature alerts you to the correct screening plate.

02 **Coil with »varOct« screening system**
Convenient and reliable: Position the tool, adjust the screening system manually or start the automated process at the push of a button. Step into the digital future of shrink-clamping.
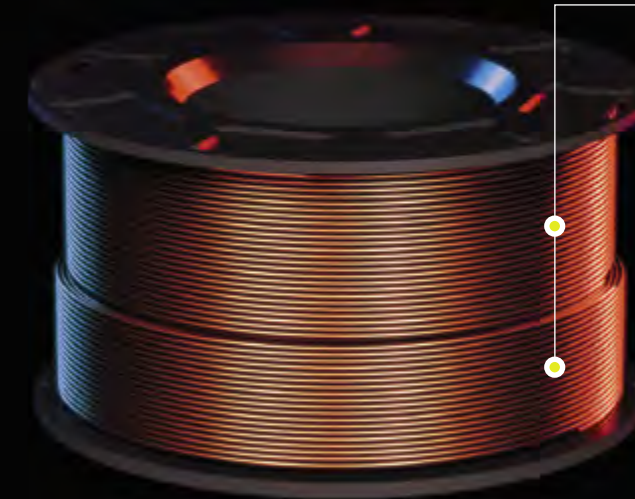
Two windings – connected in parallel and which can be activated separately. Depending on the optimal setting for the particular tool holder, it is possible to heat with the upper winding only, with the lower winding only, or in an efficient and variable combination. For perfect energy input into your shrink fit tool holder, shorter heating times and a gentle shrink fit tool holder heating process.
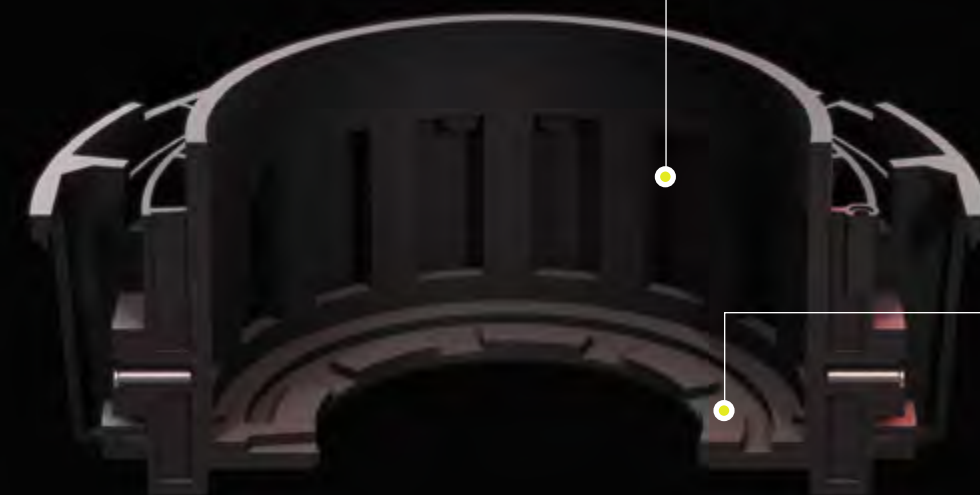
Air ducts – for optimal, passive coil cooling.

Flue gas suction device – not only extracts harmful gases directly above the coil but additionally, also directly when they are generated with the shrink fit tool holders, in the coil interior.

Flexibility in Next to No Time

01

With the ZOLLER induction coil with screening plates, you select a simple, manual clamping process with infrequent diameter changes or low variance.

Plates with different diameters ensure that the coil's magnetic field is optimally aligned and screened accordingly. When operating your »powerShrink«, the optionally available »shrinkbyLight« operator guidance system, consisting of the control LEDs for diameter monitoring and the status display of the windings, additionally increases your process reliability.

Standard coil 14 kVA with screening plates and »shrinkbyLight« operator guidance
The screening plates are available in five sizes (D3 mm to D32 mm). In the »pilot« operating software, the corresponding diameter is selected, and the correct plate is displayed.

Once the plate has been inserted, the diameter monitoring indicates whether the correct plate was inserted. Only then can the heating process be started. Operating errors and overheated tool holding fixtures are excluded.

22 kVA coil
The coil with screening plates is optionally available as a 22 kVA coil, for shrinking larger shrink fit tool holders diameters D40 mm to D50 mm and reinforced shrink tool holders (higher wall thickness). Screening plates are available with the D16 mm to D20 mm, D25 mm to D32 mm and D40 mm to D50 mm diameter size executions, also available in split design. Via a quick-change interface, this can be ergonomically operated on the »powerShrink« in exchange with the 14 kVA coil.

Screening plate – available for different tool diameters. You can also optionally get them in a split execution.

Operator guidance »shrinkbyLight« – for a safe and guided heating process.

Status indicator LEDs – of the windings (yellow inactive, red active).

Diameter monitoring – indicates the correct plate (green) and thereby ensures even higher process reliability.

Images contain options and accessories

When Art Hits the Spot

02

8 Ferrite elements

Ingeniously conceived. Perfectly constructed. The eight variable elements of the »varOct« coil shielding glide past each other in a closed manner – a design experience.
The unique ZOLLER element, for unbeatable design and efficiency.

Inspired by modern architecture and optical kinematics, ZOLLER's Research and Development department has created a masterpiece. The ZOLLER induction coil with screen system »varOct« ensures maximum efficiency and ergonomics in the shrinking process.

The flowing, interlocking movements of the individual screening elements allow precise manual or automated setting of the correct diameter of the »varOct« – for convenient and reliable shrink-clamping with maximum overlap. Thanks to an inner diameter of up to 1.80315 inch (45.8 mm), tools with larger cutting diameters can also be easily unclamped. The optionally available »shrinkbyLight« operator guidance system, consisting of the control LED for diameter monitoring and the status display of the windings, additionally increases process reliability.

Coil with screen system »varOct« 14 kVA and operator guidance »shrinkbyLight«
The diameter adjustment of the »varOct« takes place either manually or in a CNC-controlled manner. Short rotational travel allows for comfortable and, above all, very fast adjusting to the correct diameter.

Diameter monitoring indicates whether the setting has been made correctly to match the selected diameter and data record. Only then can the heating process be started. Operating errors and overheated tool-holding fixtures are excluded.

Operator guidance »shrinkbyLight« – for a safe and guided heating process.

Status indicator LEDs – of the windings (yellow inactive, red active).

Diameter monitoring – indicates the correct setting (green), thereby ensuring even higher process reliability.

Images contain options and accessories

Cool Highlights for Efficient Cooling

With »powerShrink« by ZOLLER, you cool with maximum efficiency.
The five cooling bells for standard shrink fit tool holders,
from D6 mm to D32 mm, ensure fast, consistent cooling thanks
to their intelligent design and integrated contact cooling.
Your shrink fit tool holders are protected and high true-running
accuracy is maintained.

When selecting the cooling bell with »coolbyLight«operator guidance, you're choosing
maximum process reliability and speed in your shrink process.

Diameter specification – by means
of a high-quality labeling.

Operator guidance »coolbyLight« –
guides you through the cooling
process safely and quickly.

Ergonomic guidance – linear, via
an intelligent and convenient
mechanism, or manually by simply
unhooking and placing the shrink
fit tool holder.

01 Cooling bells
Select between the default cooling bell for simple cooling or the LED execution, with »coolbyLight« operator
guidance for even more convenience, speed and safety in the cooling process.

02 Cooling bell guide
Simply hooked in or safely guided? Decide between two variants of the cooling bells guide: the simple
fixing mechanism or the linear guide for maximum comfort and safety.

Focused on Comfort and Safety

The matching cooling bell for every requirement: Select between the default cooling bell or the cooling bell with »coolbyLight« operator guidance, for maximum safety for your operators. Both cooling bells can be supplied either with free guidance, or with linear, mechanical guidance.

In combination with the alternative 22 kVA coil, an optional additional cooling bell is available for shrink fit tool holders D40 mm to D50 mm. This is designed without »coolbyLight« operator guidance.

Cooling bell default
for rapid and simple cooling of your shrink fit tool holders. High-quality information of the tool diameter provides information about the correspondingly correct diameter.

01

Cooling bell with »coolbyLight« operator guidance
safely guides you through the cooling process with the help of the color system, switch over LEDs and temperature check.
Green glowing: ready for cooling
Green blinking: the cooling bell for usage
Red glowing: Shrink fit tool holder hot
Blue blinking: Shrink fit tool holder chilled

Free guide with practical fixating mechanism
The cooling bells are aligned centered, via the specially-designed suspension. The height of the suspension can be selected variably and adapted to your usual tool lengths. This means that the cooling bells are positioned ergonomically and can be used quickly and efficiently.

02

Linear, mechanical guidance for more comfort
The linear guide allows exact positioning of the cooling bell on the shrink fit tool holder. The intelligent push-to-release mechanism enables controlled release of the cooling bell from the locking cap and avoids abrupt movements.

Optimal weight compensation ensures an independent, smooth and slow downward movement, without the risk of injury and ensures an optimal fit.

Images contain options and accessories

The Unique Cooling Alternative

Especially for shrink fit tool holder shapes and tools with larger cutting edge diameter than shaft diameters – these tools require new, unique cooling solutions. Here, cooling bells are used sparingly.

With the »zStream« air cooling by ZOLLER you get maximal flexibility and protection with the cooling of your tools and shrink fit tool holder, independently of their contour or diameter. Tool cutting edges are in absolutely no danger of being damaged. You require absolutely no accessories such as a cooling adapter. In addition, your shrink tools are also consistently cooled over the entire length of up to 13.7795 inch (350 mm).

Two or three separate cooling places*
for parallel, effective use. The »zStream« air cooling system is also excellently suited for cooling of placed down tools.

The »zStream« air cooling – ensures a gentle and consistent cooling of your shrink tools. The vertical LED light strips indicate the status. Green stands for "ready", red stands for "hot" and blue stands for "completely cooled".

The cooling place – detects the provision of the shrink tool to be cooled and automatically activates the cooling with monitored cooling time.

*two cooling places with »powerShrink 400«, three cooling places for »powerShrink 600«

We Stand for Unique **Comfort**

ERGONOMICS

Comfort in the workplace generates motivation and commitment among employees. We are convinced of this. For more than 75 years, ZOLLER has constructed its products to be as ergonomic and safe as possible for operators' use. Safety is our top priority – both for your employees and for your tools and processes. Thus, we leave nothing to chance in the shrinking process. Here, especially, we paid attention to the clear user operator guidance of the »powerShrink«:

ZOLLER »actbyLight« – a system that guides you through the shrinking process quickly and intuitively. The intelligent networking of hardware components such as the coil and the cooling bells with the »pilot« device software allows LEDs to light up and flash in different colors. Operators can immediately detect if the correct screening plate has been used for the tool. They always reach for the correct cooling bell and the color guide provides information on the corresponding temperature status of their shrink fit tool holder.

"

Our aspiration was to use our color scheme to intelligently communicate technology to the outside world. We developed the perfect solution: simple, visible to all and understandable worldwide.

FRANK HARTSTEIN
Member of the »powerShrink« product development team

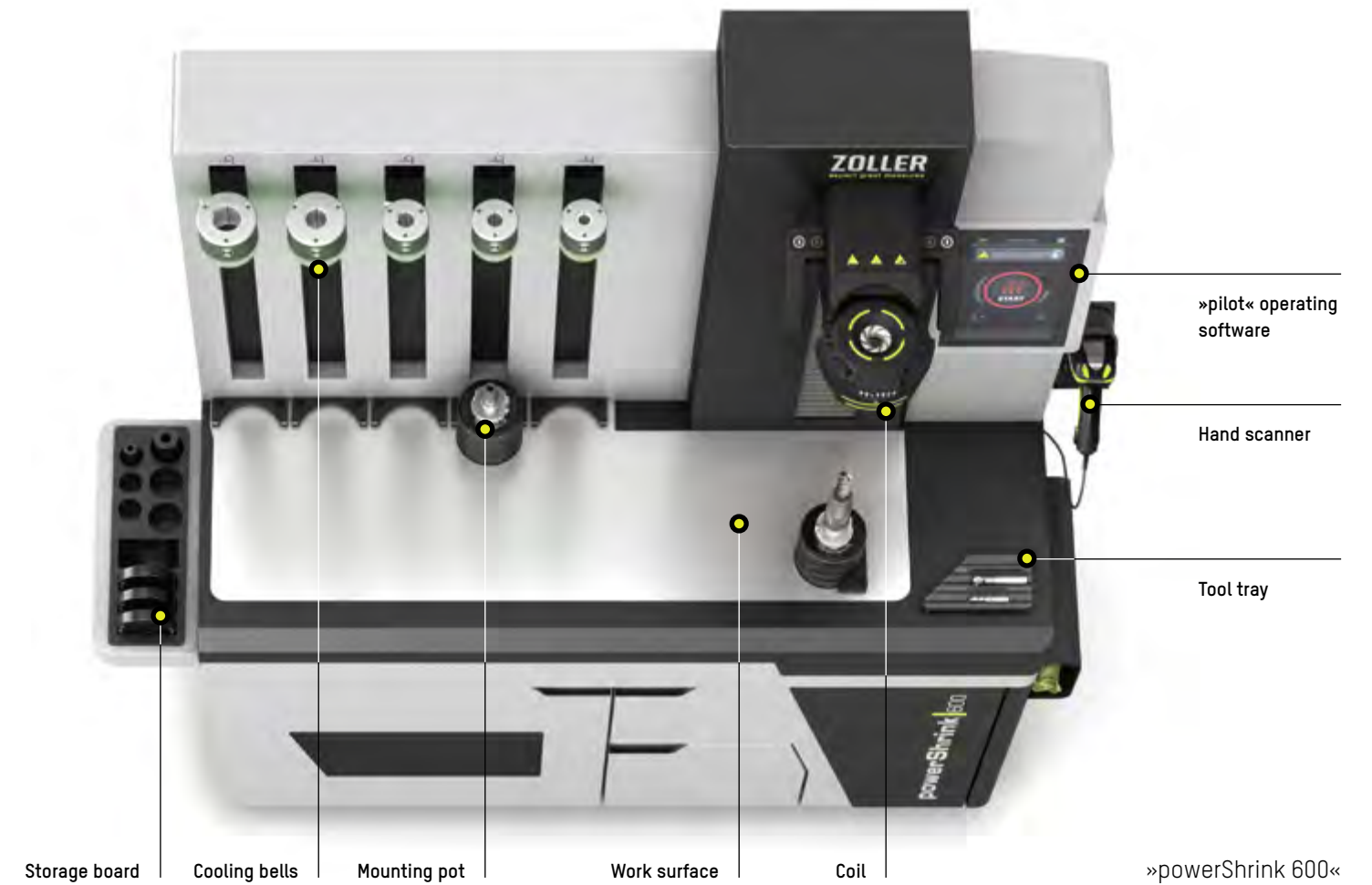Maximal operating comfort

Perfectly conceived system design

Certified safety

Reaching Your Goal Safely and Efficiently

With »powerShrink« by ZOLLER, shrink-clamped tools are quickly ready for use: thanks to intuitive »pilot« software, an intelligent induction system, and the consistent monitoring of the work steps.

The »powerShrink« technology ensures shortest process functions. The resulting short process times can even be achieved by inexperienced operators after only a brief training period. The »pilot« operating software guides you through all production steps and controls numerous processes fully automatically. The software displays the component required for each production step and supports you visually with the aid of graphic displays on the screen and the pioneering ZOLLER »actbyLight« control concept. The light-controlled operator guidance for safe and efficient use of the »powerShrink« in your company.

»pilot« operating software

Hand scanner

Tool tray

Storage board   Cooling bells   Mounting pot   Work surface   Coil

»powerShrink 600«

01
Insert shrink fit tool holder, select heating parameter (manual/ automatic per »idChip«)

02
Screening system: Insert plate or »varOct« (manual/ motorized) and align

03
Move the coil down to the shrink fit tool holder

04
Start the heating process, heating progress is displayed in software

05
After the heating process, raise the coil, insert the cutting tool into the shrink fit tool holder

06
Push mounting pot to the green flashing cooling bell and place it

07
Cooling process starts automatically, end is displayed as flashing blue light

08
After the end of the cooling process, remove the cooling bell from the shrink fit tool holder

The depicted device includes options and accessories

Clearly Guided and Perfectly Networked

The clearly structured graphic display of the ZOLLER »pilot« software intuitively guides the operator through the operating dialog, step-by-step, with the help of large function buttons and a well-conceived color concept. The 12.5-inch monitor impresses with a clear and detailed display.
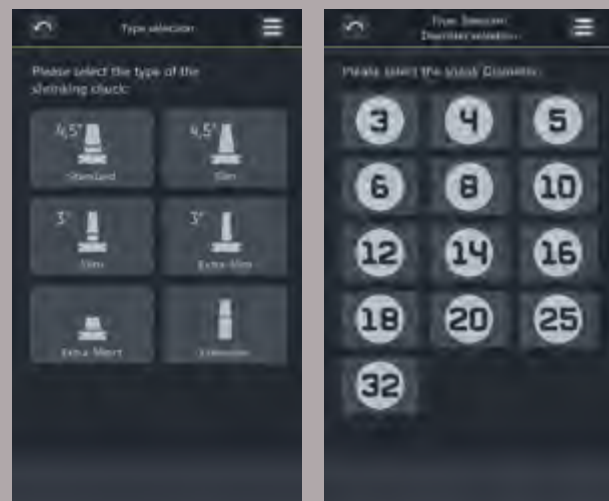
Parameter selection – the required heating parameters can be selected simply and safely through clear and understandable software function surfaces.
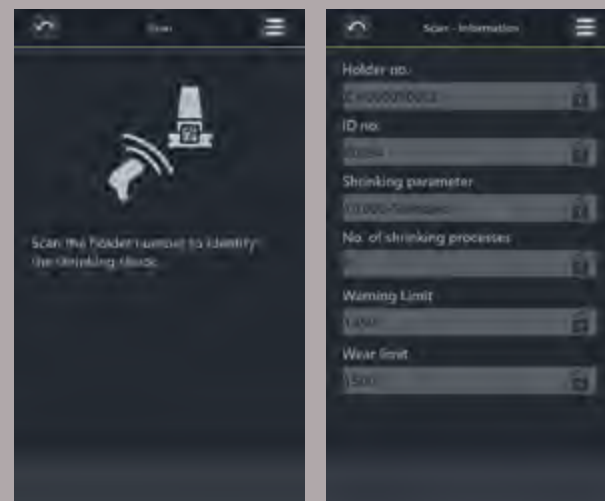
Scan function – all parameters suitable for the shrink-clamping chuck are loaded automatically – regardless of the manufacturer. It is possible to monitor the number of heating processes and the information display per shrink fit tool holder.
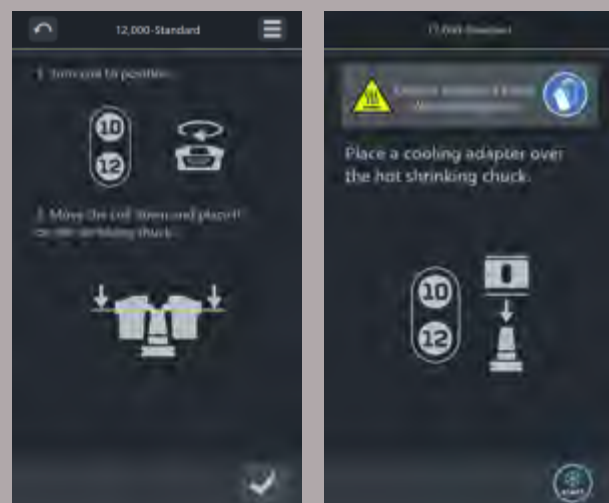
Step-by-step guidance – throughout the entire shrink-clamp process, »pilot« shows you exactly which step you are to carry out and when.

Status displays – whether for heating or cooling process, »pilot« shows you the progress of the process and important safety instructions.

Images contain options and accessories
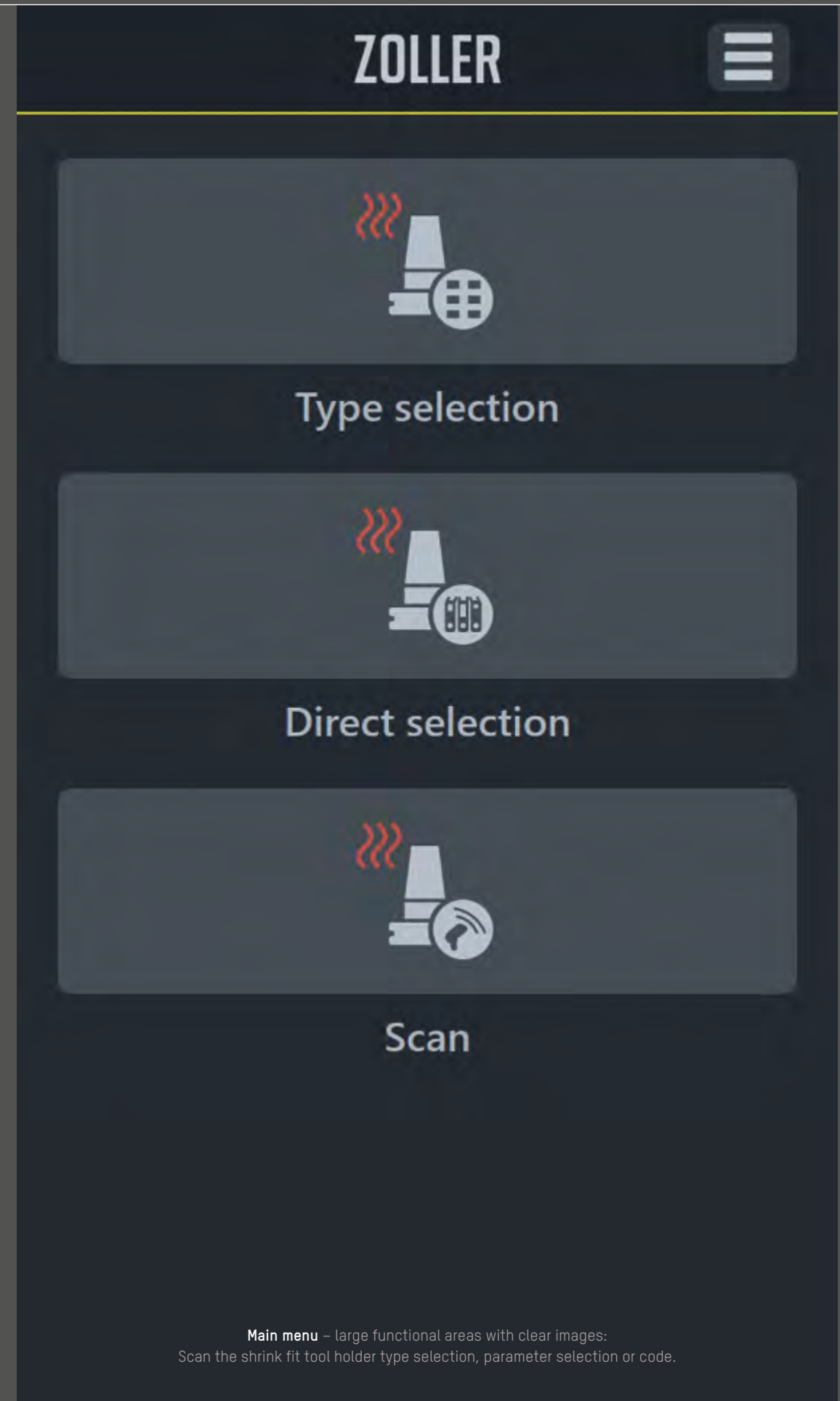
Main menu – large functional areas with clear images:
Scan the shrink fit tool holder type selection, parameter selection or code.

Displayed operating software corresponds with 93% of the original size (12.5")

Typical for us Zollers – clear objectives for global success

CHRISTOPH ZOLLER, EBERHARD ZOLLER, ALEXANDER ZOLLER
Management

The Fastest Way
to Find the Right Model

	»powerShrink 400«	»powerShrink 600«
Machine equipment		
Membrane keypad for the selection of the diameter to be shrink-clamped	●[1]	–
12.5 inch touch monitor with ZOLLER operation software »pilot«	⊙	●
Stable table	⊙	●
Set-up table with rollers for flexible positioning in production	⊙	–
Workbench version for compact installation on own tabletop	●	–
induction coil axis with pneumatic release of the axle clamping	●	●
Heating also see page 18 to 23		
Induction coil with screening plates	●	●
Induction coil with screening plates and »shrinkbyLight« operator guidance	⊙	⊙
»varOct« induction coil, manually adjustable	⊙	⊙
»varOct« induction coil , manually adjustable, »shrinkbyLight« operator guidance	⊙	⊙
»varOct« induction coil , CN controlled adjustment, »shrinkbyLight« operator guidance	⊙[2]	⊙
Quick change interface	–	⊙
14 kVA induction coil	●	●
22 kVA induction coil	–	⊙[3]
Flue gas suction device	⊙	⊙
Coil operating handle left	●	●
Coil operating handle right or on both sides	⊙	⊙
Cooling also see page 24 to 29		
No cooling system	●	–
Cooling bells default, 5-fold	⊙	⊙
Cooling bells with »coolbyLight« operator guidance, including temperature check, 5-fold	⊙[2]	⊙
Free cooling bells guidance with fix mechanism	⊙	●
Linear, mechanical cooling bells guidance with push-to-release mechanism	–	⊙
Air cooling »zStream« with two cooling places	⊙	–
Air cooling »zStream« with three cooling places	–	⊙
Cool manager[4]	●	●

	»powerShrink 400«	»powerShrink 600«
Software		
ZOLLER operating software »pilot«	⊙[2]	●
Self-explanatory, graphic function surfaces	⊙[2]	●
Color animated status indicators	⊙[2]	●
Interface to the »actbyLight« control concept	⊙	●
Scan function	⊙[2]	⊙
Counting functions of shrink-clamping procedure	⊙[2]	⊙
Hardware options & accessories		
Length setting »eQset«	⊙[5]	⊙
Hand scanner	⊙[2]	⊙
Mounting pot	⊙	⊙
Mounting rings SK, HSK, polygon shank taper, others on request	⊙	⊙
Special cooling adapter	⊙	⊙
Storage board for mounting rings and special cooling adapters	⊙	⊙
Tool tray	⊙	⊙
Tray for cleaning brushes	⊙	⊙
Five divided screening plates with plate storage	⊙	⊙
Unclamping device »toolEx«	⊙	⊙
Positioning device »liteSet«	⊙	⊙
Technical data		
Shrinkable tool length	18.1102 inch (460 mm)	23.622 inch (600 mm)
Maximum inner diameter of induction coil »varOct«	1.80315 inch (45.8 mm)	1.80315 inch (45.8 mm)
Maximum inner diameter of the induction coil with screening plates	1.9685 inch (50 mm)	1.9685 inch (50 mm)
Shrink-clampable diameter with 14 kVA induction coil	0.11811–1.25984 inch (3–32 mm)	0.11811–1.25984 inch (3–32 mm)
Shrink-clampable diameter with 22 kVA induction coil	–	1.5748–1.9685 inch (40–50 mm)

[1] For a shrink fit tool holder according to DIN 69882-8
[2] In combination with 12.5 inch display
[3] In combination with quick change interface
[4] In combination with cooling bells/water cooler
[5] In combination with coil handle right

● Base model
⊙ optional
– not possible

Options

Flue gas suction device

The flue gas suction device reliably removes flue gases from the work area of the operator. The established and patented flue gas suction device above the induction coil was expanded by an integrated suction in the inside of the coil housing. The suction of the flue gases thus happens directly where they are produced. The filter unit finds a safe place in the table.

Air cooling »zStream«

With ZOLLER's air cooling »zStream« you obtain maximal flexibility and protection with the cooling of your shrink fit tool holder, independently of its contour or diameter. In addition, your shrink-clamping tools are cooled consistently and safely across their entire length – without the risk of being damaged. »zStream« is also ideally suited for cooling placed down tools. »powerShrink« is available with two or three separate cooling places* for parallel, effective use.

Length setting »eQset«

The integrated length setting system is used to set the overall length or projection length and for the tool exchange. The pneumatically-activated quick adjustment and fine adjustment by hand wheel allow a fast, ergonomic and precise position of the probe head to the required height. The probe head is quickly and simply shifted into measuring or park position via a linear guide.

Scan function, incl. hand scanner

The »pilot« software scan function, combined with the hand scanner, enables the reliable selection of the appropriate shrink parameter by scanning the holder number on the shrink-holding fixture. Regardless of the manufacturer, all shrink-clamping chucks with a DataMatrix code (e.g., ZOLLER »idLabel«, ZOLLER »idChip«) are supported.

In the »pilot« software, each heating process can be counted per shrink-clamping chuck. In addition, a warning and wear limit, in relation to the permissible heating operations, can be stored.

Membrane keypad for »powerShrink 400«

Alternatively, the diameter selection** on the »powerShrink 400« can be selected quickly and simply via an oil- and dirt-resistant, workshop-compatible and durable membrane keypad.

Set up table for »powerShrink 400«

As an alternative to installation on a workbench, the »powerShrink 400« can be positioned on a set-up table with ergonomically optimal working height. This provides a tidy place for the cooler and flue gas suction device. The table is optionally available with sturdy rollers and an ergonomic handle, to allow variable positioning of the »powerShrink 400«.

*two cooling spaces for »powerShrink 400«, three cooling spaces for »powerShrink 600«

**for shrink-clamping chuck according to DIN 69882-8

Accessories

Mounting pot

With your »powerShrink«, you get a default mounting pot. Optionally, additional units can be ordered for parallel heating and cooling. The bearing surface is perfectly matched to the mounting pot and enables a comfortable and quiet shift.

Mounting rings

The different mounting rings allow flexible retooling between different mounting interfaces. For all common tool-holding fixture types and sizes up to SK 50, HSK 100 and PSC 10.

Special cooling adapter

Cooling adapter for specialized shrink fit tool holder forms and sizes (e. g., also for D3 mm to D5 mm). Matching for cooling bells D14 mm to D16 mm or D25 mm to D32 mm.

Storage board for mounting rings and special cooling adapter

The storage board provides space for storing four mounting rings and six size I special cooling adapters or three size I and size II special cooling adapters.

Tool tray

For depositing shank tools at the shrinking work-station. The position of the tray can be freely selected by the operator.


Tray for cleaning brushes

For storing the cleaning brushes, there is a tray with all brush diameters, which can be attached to the machine via magnets, and at any position. The brushes for cleaning the locating bore of shrink fit tool holders are also available from ZOLLER – for shaft diameters D3 mm to D32 mm, optionally made of brass or plastic.

Coil operating handle

For optimal, user-friendly operation, the operating handle, which is mounted on the left as a default, can optionally be selected to be mounted on the right side or on both sides. Each control handle is equipped with two function buttons – for moving the coil and activating the heating process.
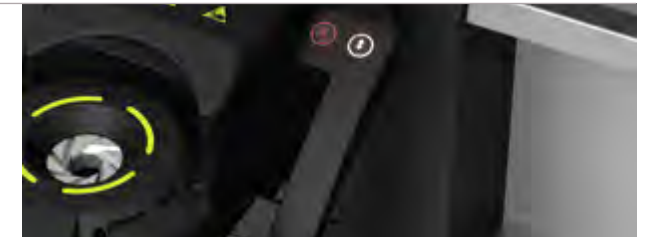
Split screening plates with tray

For unclamping of placed down tools, optionally, a set of screening plates (5 pieces) in split version including the corresponding disc tray can be ordered.

Unclamping device »toolEx«

»toolEx« supports you when removing tools from the shrink-clamping chuck, which cannot be removed by hand or with pliers, such as broken tools. The set includes a holder and six ejector rods.

Length setting »liteSet«

With the »liteSet« you set the projecting length of the tool to be shrink-clamped. The maximum cantilever length is 150 mm. The set includes four clamping prisms for shaft diameters D3 mm to D32 mm.

ZOLLER Smart Factory – Everything from a Single Source

ZOLLER Solutions stand for your future – we make you more successful. Because if you manufacture faster and more efficiently, you work more economically in order to be able to invest in the future. If economic progress is your goal, then ZOLLER is your partner.

In Germany at Home – Around the World for You

ZOLLER quality is "made in Germany" –
and there for you, anywhere in the world.

Our company has its own locations and branches
at 85 sites in 62 countries, guaranteeing we
are close to customers and can provide first-class,
personal customer service in local markets.

Parent company
Headquarters
Branch office
Representative

GERMANY

HEADQUARTERS
E. ZOLLER GmbH & Co. KG
Einstell- und Messgeräte
Gottlieb-Daimler-Straße 19
D-74385 Pleidelsheim
Tel: +49 7144 8970-0
Fax: +49 7144 8970-70191
post@zoller.info | www.zoller.info

ZOLLER NORTH
E. ZOLLER GmbH & Co. KG
Service- und Vertriebszentrum
D-30179 Hannover

ZOLLER EAST
E. ZOLLER GmbH & Co. KG
Service- und Vertriebszentrum
D-04158 Leipzig

ZOLLER WEST
E. ZOLLER GmbH & Co. KG
Service- und Vertriebszentrum
D-40764 Langenfeld

EUROPE

AUSTRIA
ZOLLER Austria GmbH
A-4910 Ried im Innkreis
office@zoller-a.at | www.zoller-a.at

SWITZERLAND
ZOLLER Schweiz GmbH
CH-9016 St. Gallen
info@zoller-ch.com | www.zoller-ch.com

FRANCE
ZOLLER France
F-67380 Lingolsheim
info@zoller.fr | www.zoller.fr

SPAIN + PORTUGAL
ZOLLER Ibérica S.L.
E-08005 Barcelona
correo@zoller.info | www.zoller.info

TURKEY
Zoller Ölçüm Teknolojileri San.ve Tic. Ltd. Sti.
TR-16120 Nilüfer / Bursa
info@zoller-tr.com | www.zoller-tr.com

RUSSIA
LLC ZOLLER Russia
RU-111123 Moscow, Russia
info@zoller-ru.com | www.zoller-ru.com

ISRAEL
ZOLLER Israel GmbH
Ramat Yishay 3009500
info@zoller-il.com | www.zoller.info

POLAND
ZOLLER Polska Sp. z o.o.
63-100 Śrem
biuro@zoller-a.at | www.zoller.net.pl

SLOVAKIA + CZECH REPUBLIC
ZOLLER CZECH s.r.o.
602 02 Brno
suchna@zoller.cz | www.zoller.cz

AMERICA

USA
ZOLLER Inc.
North American Headquarters
USA-48108 Ann Arbor, MI
sales@zoller-usa.com | www.zoller-usa.com

ZOLLER Inc. Pacific
USA-90503 Torrance, CA
sales@zoller-usa.com | www.zoller-usa.com

CANADA
ZOLLER Canada Inc.
CAN-L5N 8G4 Mississauga, ON
sales@zoller-canada.com | www.zoller-canada.com

MEXICO
ZOLLER Tecnologías S de R.L. de C.V.
MEX-C.P. 76030 San Angel Querétaro
sales@zoller-mexico.com | www.zoller-mexico.com

BRAZIL
ZOLLER do Brasil
BRA-CEP 13284-198 Nova Vinhedo,
Vinhedo - São Paulo
comercial@zoller-br.com | www.zoller-br.com

ASIA

INDIA
ZOLLER India Private Ltd.
IN-Pune 411019 Maharashtra, India
info@zoller-in.com | www.zoller-in.com

CHINA
ZOLLER Shanghai, Ltd.
Asia Pacific Regional Headquarter
RC-201108 Shanghai
info@zoller-cn.com | www.zoller-cn.com

ZOLLER Asia Pacific, Ltd.
RC-Kowloon, Hongkong
info@zoller-cn.com | www.zoller-cn.com

JAPAN
ZOLLER Japan K. K.
JP-564-0037 Osaka, Japan
info@zoller-jp.com | www.zoller-jp.com

THAILAND
ZOLLER (Thailand) Co. Ltd.
Amphur Muang Chonburi, TH-20000 Thailand
info@zoller-in.com | www.zoller-th.com

INDONESIA
ZOLLER Singapore Pte. Ltd
Indonesia Representative Office
Tambun-17510, Bekasi, Jawa Barat
info@zoller-in.com | www.zoller-in.com

SINGAPORE
ZOLLER Singapore Pte. Ltd
SG-199589 Singapore
info@zoller-in.com | www.zoller.info

MALAYSIA
ZOLLER MALAYSIA SDN. BHD.
Malaysia Representative Office
MY-Petaling Jaya | Selangor Darul Ehsan, Malaysia
lau@zoller-my.com | www.zoller-in.com

VIETNAM
ZOLLER Vietnam
VNM-Ho Chi Minh City, Vietnam
info@zoller-in.com | www.zoller-in.com

KOREA
ZOLLER Korea Co., Ltd.
KOR-15119 - Siheung-Si, Gyeonggi-Do, Südkorea
info@zoller-kr.com | www.zoller-kr.com

REPRESENTATIVES

Argentinia, Australia, Belarus, Belgium, Bolivia, Chile,
Colombia, Costa Rica, Croatia, Denmark, Estonia,
Finland, Great Britain, Hungary, Iran, Ireland, Italy,
Latvia, Lithuania, Luxembourg, New Zealand, Norway,
Pakistan, Peru, Romania, Saudi Arabia, South Africa,
Southern Tyrol, Sweden, Taiwan, The Netherlands,
United Arab Emirates, Venezuela.

ZOLLER
Solutions

More speed, higher quality, safe processes – with ZOLLER, you increase the efficiency of your production. ZOLLER offers you outstandingly precise devices for adjusting, measuring and testing cutting tools, software, interfaces, cloud services and solutions for the automation of tool processes. You can combine all of this to create your individual system solution – on your way to the smart factory.

Presetting & Measuring
Tool Management
Inspection & Measuring
Automation

Everything from a Single Source.
Everything for your Success.
Everything with ZOLLER Solutions.

We reserve the right to make technical changes. The depicted machines may include options, accessories, and control variants. BRPOSH.00–US 07/2022.

North American Headquarters
ZOLLER Inc.
3900 Research Park Drive
USA-48108 Ann Arbor, MI
Phone: +1 734 332 4851
sales@zoller-usa.com | www.zoller-usa.com

West Coast Office
ZOLLER Inc. Pacific
3882 Del Amo Blvd., Suite #603
USA-90503 Torrance, CA
Phone: +1 424 240 180 | Fax: +1 424 247 0184
sales@zoller-usa.com

Canadian Office
ZOLLER Canada Inc.
2820 Argentia Road, Unit-5
Mississauga - L5N 8G4, Ontario, Canada
Phone: + 1 905-821-7664
sales@zoller-canada.com

Mexican Office
ZOLLER Tecnologías S de R.L. de C.V.
Av. Tecnológico 118 Int. 102
Col. San Angel Querétaro, Qro. C.P. 76030, Mexico
Phone: +52 5558174654
sales@zoller-mexico.com

ZOLLER
expect great measures