

# MELAseal® Series

Sealed in foil. Packed with quality.

The MELAG bar and rotary sealing devices:



# MELAG sealing devices

## Outstanding quality for efficient workflows.

Our priority is your satisfaction: Rely on innovative solutions for instrument decontamination made in Germany.  
As a strong partner by your side, MELAG guarantees:

-  **Experience**  
Specialization since 1951
-  **Trust**  
Over 100.000 satisfied MELAseal® customers
-  **Quality**  
Made in Germany
-  **Innovation**  
180 specialized engineers
-  **System solution**  
Instrument decontamination from a one-stop provider

## Tailored to your individual needs.

MELAG sealing devices guarantee an efficient packaging process in practice and clinic.  
Benefit from our wide range of products and select the sealing device that best fits your needs:



### MELAseal® 300

Validatable rotary sealing device

- ★ **The boost for your workflow:**  
Throughput speed of up to 15 m/min for sealing processes without interruption
- ★ **Magical operating concept:** Smart-Touch Display and integrated documentation interfaces for maximum user-friendliness and legal certainty
- ★ **Small but unmissable:** MELAseal® 300 packs incredible power into an unbelievably slim and lightweight design

### MELAseal® 200

Validatable bar sealing device

- ✓ **Intuitive operation:** MELAG four key concept and LCD display
- ✓ **Documentation:** Two USB ports for computer connection and log transfer
- ✓ **Legal certainty:** Complying the requirements of EN ISO 11607-2

### MELAseal® 100+

Compact bar sealing device

- ✓ **Speed:** Short pre-heating and sealing times
- ✓ **Efficiency:** Saving service costs by maintenance-free operation
- ✓ **Safety:** Monitoring of sealing time and sealing temperature

## Success Stories



*„The MELAG system solution covers the entire instrument decontamination workflow to guarantee our patients' best-possible protection and care.“*

Clinic of Maryam Taleh



*„The aligned MELAG products save time whilst providing the highest level of safety for patients and practice staff alike.“*

Clinic of Frank Bachmann



*„We have found a reliable and high-performing partner for the best-possible reprocessing workflow: MELAG provides a perfect level of protection and efficiency in our clinic.“*

Clinic Gesichtspunkt

# MELAsea® 300

## Maximum efficiency in minimum space.

Simply magical. Magically simple. MELAsea® 300 redefines the packaging process: The compact MELAG rotary sealing device with large Smart-Touch Display not only fits in every reprocessing line, but also for every instrument volume: Because with the help of the automatic film feeder, you can pack a particularly large number of instruments in the shortest possible time - and without interruptions.

And it's that simple: Insert the film, done! Smart features and outstanding performance make the packaging process magically simple - saving time and ensuring absolute reliability. This is because all important sealing parameters and routine checks are documented with integrated USB and network interfaces.

# Up to 50 % Space saving\*

MELAsea® 300

Conventional rotary sealers

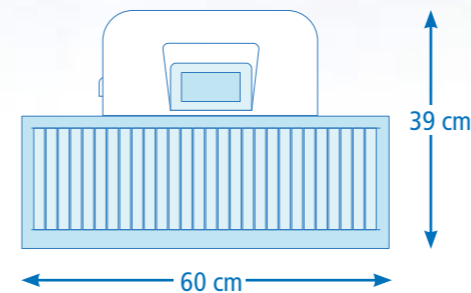


## Complementary accessories

The versatile range of accessories provides highest flexibility: Choose a work table, reel dispenser and documentation medium to customize the sealing process in accordance with your needs. Find out more about our individual accessories on the following pages.



+ Standard and Comfort worktable



## The product highlights:

- ✓ Short heat-up time of 100 sec. and high throughput speed of up to 15 m/min
- ✓ Intuitive operating concept with large Smart-Touch Display
- ✓ Integrated USB and network interfaces
- ✓ Set-up assistant for cost-effective commissioning by the practice team
- ✓ 12 mm wide segmented seal for convenient opening of the packaging
- ✓ Smart reminder function for seal check and seal seam stability test
- ✓ Power Save for top energy efficiency between sealing processes



Discover the product highlights of the MELAsea® 300 at [www.melag.com/en/products/sealing-devices/melaseal300](http://www.melag.com/en/products/sealing-devices/melaseal300)

# MELAseal® 200

## Unique in innovation and function.

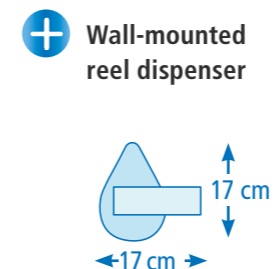
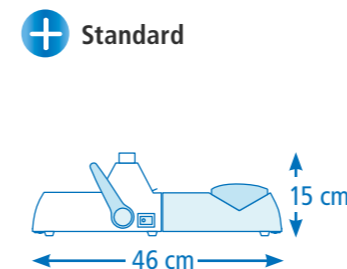
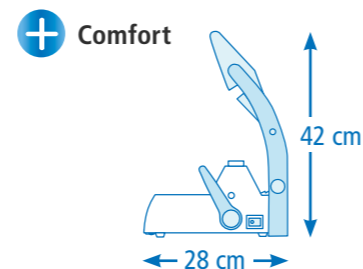
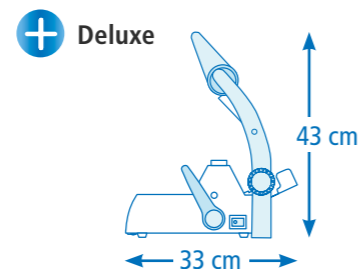
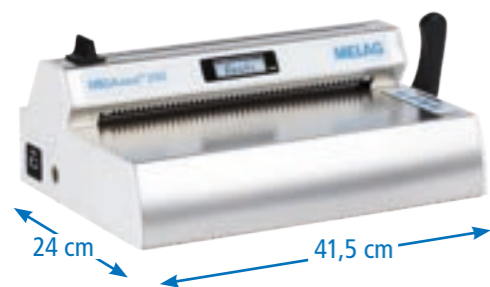
MELAseal® 200 is the most compact validatable sealing device of its class. The compact dimensions and the innovative MELAG concept of the bar sealing device ensure efficient instrument packaging in practice and clinic. The sealing device is ready to use within 90 seconds and allows the successive wrapping of instruments in only 3 seconds without pause.

MELAseal® 200 automatically monitors the sealing parameters temperature, pressure and time to ensure maximum safety. The generated sealing logs can be transferred via USB ports in a quick and legally compliant way.



## Perfection in the finest detail

The **variety of available reel dispensers** adapts the sealing device to the needs of your decontamination room. You require even more comfort? The reel dispenser "Deluxe" sets new standards: Its integrated hand wheel provides full control over the transparent sterilization roll feed. There is no need for the time-consuming manual feeding process.



## The product highlights:

- ✓ Two integrated USB interfaces for log transfer and computer connection (incl. MELAG 8 GB USB flash drive)
- ✓ Intuitive MELAG four key concept with display and LED signal for easy operation
- ✓ Compact and space-saving design with an integrated cutting unit
- ✓ Energy-saving mode and standby function for even more cost-saving operation
- ✓ Seal check function and integrated user administration guarantee maximum safety
- ✓ Compliance with EN ISO 11607-2 ensures legal certainty



Save money: Our video tutorials lead you through the commissioning and operation of MELAseal® 200.

# MELAseal® 100+

## Unique in price and performance.

The tried-and-tested concept of MELAseal® 100+ provides a reliable solution for your packaging process. The sealing device combines performance with functionality: Seal transparent sterilization packaging without pause after a pre-heating time of only four minutes. The integrated electronics of the device monitors the sealing temperature and time. The acoustic and visual signal facilitate the evaluation of the seal seam quality. The individually adjustable thermostat permits the flexible use of versatile sterilization packaging.

MELAseal® 100+ with a 10 mm seal seam width significantly exceeds the prescribed width of 6 mm required by EN 868-5, thus guaranteeing additional safety.



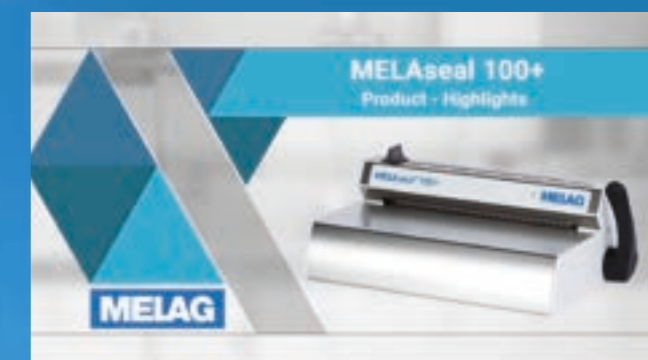
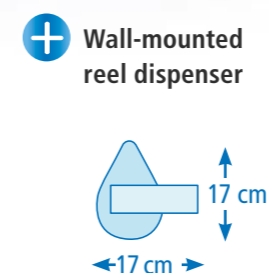
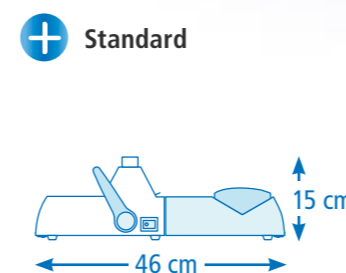
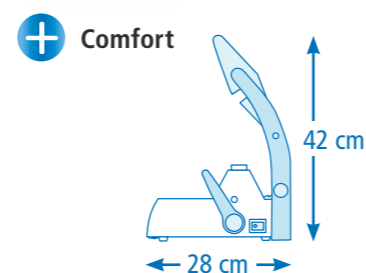
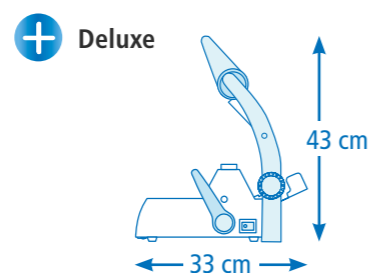
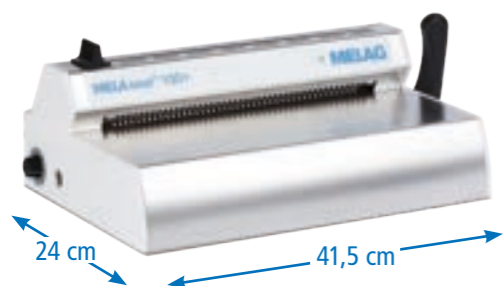
### The product highlights:

- ✓ Short pre-heating and sealing times guarantee quick sealing processes
- ✓ Compact dimensions take up a minimum amount of space on your worktop
- ✓ Acoustic and visual signals ensure the proper monitoring of the sealing time and temperature
- ✓ Customizable: The lever can be set on the right or left-hand side
- ✓ Maintenance-free operation eliminates service costs



### Versatile range of reel dispensers

The ergonomically designed reel dispensers enable effortless feeding of the transparent sterilization packaging. The integrated cutting unit allows you to customize the film packaging to the individual needs and sizes of the instruments.



Find out more about the product highlights of MELAseal® 100+ in our product video.

# MELAfol®

## Sealing processes at the highest level.

MELAfol® has been designed to fit all MELAG sealing devices perfectly: The transparent sterilization packaging is sealed reliably and quickly using the pre-set temperature of 180 degrees.

MELAfol® complies with the highest demands placed on instrument packaging and storage. The combination of film and paper guarantees tear-proof, crease-resistant and especially germ-impermeable storage. The treatment indicator on the sterilization packaging provides reliable proof of whether the packed instrument has been sterilized.

Medical and dental practices appreciate the excellent peeling behaviour of MELAfol®. The peel direction indicated on the film guarantees easy and clean opening without releasing fibres or particles.



# Accessories

## Reel dispensers for the MELAseal® series.



**+ Deluxe reel dispenser**  
sets new standards in ergonomical operation of MELAseal® 100+ and MELAseal® 200.



**+ Comfort reel dispenser**  
saves space by storing the rolls above MELAseal® 100+ and MELAseal® 200.



**+ Standard reel dispenser**  
is attached to the rear side of MELAseal® 100+ and MELAseal® 200.



**+ Wall-mounted reel dispenser**  
with a large width of 42 cm and integrated cutting knife; to be mounted on the wall or set up directly on the worktop.



**+ Standard work table**  
provides support during the packaging process and improves the ergonomics of MELAseal® 300.



**+ Comfort work table**  
with smooth-running castors for fast transport of heavy individual instruments and containers.

## MELAfol® product highlights:

- ✓ Perfectly aligned to all MELAG sealing devices
- ✓ Reels and pouches available in a range of sizes
- ✓ Compliance with EN 868-5
- ✓ Integrated sterilization indicator and arrows for the peel direction
- ✓ Germ-impermeable, crease-resistant and easy to open



Find out more about the packaging process in our video tutorial.

## As versatile as your requirements: MELAfol® at a glance.

Reels	MELAfol® 502	MELAfol® 752	MELAfol® 1002	MELAfol® 1502	MELAfol® 2002	MELAfol® 2502
Width x Length	5 cm x 200 m	7,5 cm x 200 m	10 cm x 200 m	15 cm x 200 m	20 cm x 200 m	25 cm x 200 m
Article no.	00502	00752	01002	01502	02002	02502
Pouches	MELAfol® 501	MELAfol® 751	MELAfol® 1001	Pouches with fold		
Width x Length x Quantity	5 cm x 25 cm, 1000 pcs.	7,5 cm x 25 cm, 1000 pcs.	10 cm x 25 cm, 1000 pcs.	20 cm x 50 cm, 100 pcs.		
Article no.	00501	00751	01001	02051		

## Documenting the sealing process.



**+ MELAtrace®**  
for the documentation, approval and traceability of the entire decontamination process. Compatible with MELAseal® 200 and MELAseal® 300.



**+ USB stick**  
is specially tested and adapted to MELAseal® 300 and MELAseal® 200 for the documentation of sealing protocols.



**+ Routine testing**  
with seal check, inc test and seal seam stability test ensures reliable control of the seal seam in your practice.

# Routine checks of sealing devices

## Maximum safety. Minimum costs.

The MELAG test procedures perform quick and affordable routine checks of your sealing devices, thereby ensuring legal compliance. Our aligned solutions work precisely to prove the quality and reproducibility of your seal seams. An overview of the tests to be performed on a daily, monthly and annual basis:



### Peel test



Please make sure to carry out the peel test on a **daily** basis, preferably before starting work: The tested seal seam must be even and complete.

Subsequently, **check the seal seam** manually. To do so, please sterilize the sealed packaging, take it from the autoclave and pull the seal seam apart slowly in the peel direction. The film must detach from the paper with almost no residue.



### MELAcontrol Seal Check



The **daily MELAcontrol Seal Check** verifies the quality of the seal seam in accordance with DIN EN ISO 11607-2.

Place the seal check into the pouch and seal the packaging so that the generated seal seam runs centrally across the entire test strip. The indicator paper of the **MELAcontrol Seal Check** enables you to evaluate the seal seam reliably. The test is successful if the complete seal seam shows an even coloration and sharp contours without any faults, wrinkles or bubbles.

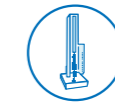


### MELAcontrol Ink Test



The **MELAcontrol Ink test** is a reliable test for performing a **weekly** routine check of the seal seam for leaks in accordance with DIN EN ISO 11607-1 and ASTM F1929-12.

Seal the disposable **MELAcontrol Ink test** into the transparent packaging. Carefully apply pressure to the ink bag until it bursts. The ink will leak into the sealed pouch guaranteeing the reliable visual check of the seal seams, revealing irregularities, flaws or channels in the seal seams.



### Seal seam stability test



In order to validate packaging processes and to evaluate the performance of sealing devices, hygiene experts strongly recommend the seal seam stability test as an **annual** routine check.

The **MELAG seal seam stability test** is a standardized test procedure for the qualification of your MELAseal® sealing device in accordance with DIN EN 868-5, Appendix D. MELAG performs the test with a highly-precise testing machine for guaranteed valid results.



Find out more about the **routine tests** of sealing devices in our video tutorial.



Find out more about the **seal seam stability test** in our video tutorial.



# The MELAG system solution

## Your one-stop provider for instrument reprocessing.

The MELAG sealing devices constitute an important element of an efficient instrument decontamination workflow. Their perfect alignment with MELAG autoclaves and washer-disinfectors results in even more efficient operating procedures whilst providing the best-possible protection for patients and staff.

Take advantage of the benefits of the MELAG system solution with products from the leading manufacturer in practice hygiene:



**Personal**  
One contact partner for all of your questions



**Efficient**  
Reducing costs by synchronising the service



**Process-optimized**  
Perfect alignment of the workflow and operation

Are you looking to improve your decontamination workflow even further? Then why not enhance the efficiency and quality of your packaging process with MELAstore®. The MELAG wash trays and sterilization containers provide increased **standardization** to save time in the packaging of instrument sets and to reduce material costs and practice waste through a significantly lower need for sterilization packaging.



## The instrument decontamination process:



✓ Cleaning and disinfection with MELAtherm® 10



✓ Packaging with MELAseal® and MELAstore®



✓ Sterilization with MELAG autoclaves



✓ Documentation and approval with MELAtrace®



✓ Labelling with MELAprint® 60

# Technical data

## Figures and facts at a glance.



	MELAseal® 300	MELAseal® 200	MELAseal® 100+
Device type	Rotary sealing device	Bar sealing device	Bar sealing device
Validatable	yes	yes	no
Documentation interface	2x USB port, 1x Ethernet	2x USB port	no
Device dimensions (W x D x H)	36 x 16 x 17,5 cm	41,5 x 24 x 15 cm	41,5 x 24 x 15 cm
Weight	5,6 kg	5,4 kg	5,4 kg
Electrical connection	230-240 V / 50/60 Hz	230 V / 50/60 Hz	230 V / 50/60 Hz
Power Input	650 watts	300 watts	300 watts
Pre-heating time	100 sec.	90 sec.	200 sec.
Sealing duration / speed	5-15 m/min	ca. 3 sec.	ca. 4 sec.
Temperature range	100 - 215 °C	100 - 210 °C	140 - 210 °C
Seal seam width	12 mm	10 mm	10 mm
Seal seam length	Unrestricted	max. 275 mm	max. 275 mm
Integrated cutting unit	no	yes	yes
Order no.	ME10300	ME10120	ME10211

## System solutions, innovation and quality

MELAG was founded in 1951 and is an owner-operated family company, that specializes in products aiming at optimized practice hygiene. The manufacturing and production sites are exclusively located in Germany on a 25.000 m<sup>2</sup> premises with 500 employees working diligently to maintain MELAG's world leading role in instrument decontamination.



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**Save paper, protect the environment:**  
In order to reduce paper, we provide you with electronic user documentation via our Download Center.

Further information at: [www.melag.com](http://www.melag.com)

**MELAG**  
competence in hygiene