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MELAG
competence in hygiene

The MELAseal® Series

Main advantage of MELAG sealing devices: More time for your patients.



Quality – made in Germany

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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 MELA*seal*® 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:



MELA*seal*® 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



MELA*seal*® 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



MELA*seal*® Pro
Validatable rotary sealing device

- **Process efficiency:** High processing speed of 8 m/min.
- **Documentation:** Serial interface for log printer, CF card printer or computer connection
- **Legal certainty:** Complying the requirements of EN ISO 11607-2

Customer reviews



„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

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MELA*seal*® 100+

Unique in price and performance.

The tried-and-tested concept of MELA*seal*® 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.

MELA*seal*® 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



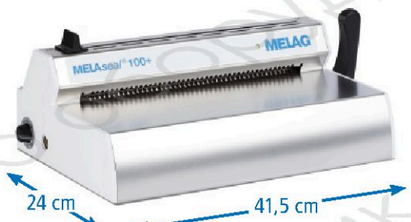


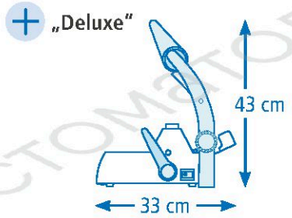




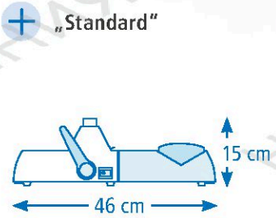
Versatile range of reel dispensers

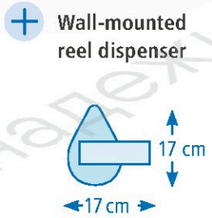
The ergonomically designed reel dispensers enable effortless feeding of the transparent sterilization packaging. The integrated cutting unit allows you to customize the film packaging to the individual needs and sizes of the instruments.













Find out more about the product highlights of MELA*seal*® 100+ in our product video:
www.melag.com/en/multimedia

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MELA*seal*® 200

Unique in innovation and function.

MELA*seal*® 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.

MELA*seal*® 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.



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**

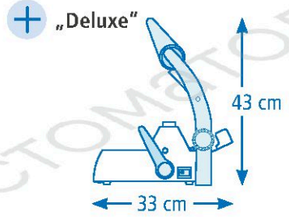




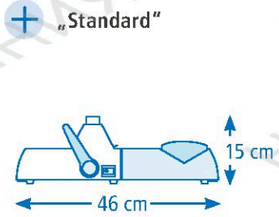
Perfection in the finest detail

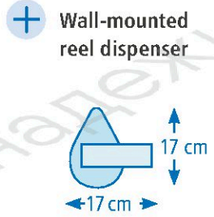
The **variety of available reel dispensers** adapts the sealing device to the needs of your decontamination room.
You require even more comfort? The reel dispenser "Deluxe" sets new standards: Its integrated hand wheel provides full control over the transparent sterilization roll feed. There is no need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













Save money: Our video tutorials lead you through the commissioning and operation of MELA*seal*® 200. More videos on: www.melag.com/en/multimedia

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MELA*seal*® Pro

Unique in efficiency and safety.

MELA*seal*® Pro was designed to meet the needs of practices and clinics with an especially high instrument throughput. The validatable rotary sealer guarantees the efficient sealing of transparent sterilization packaging in the shortest possible time. The sealing device is ready to use after a 2-minute pre-heating time, enabling quick and safe instrument sealing without pause. MELA*seal*® Pro provides the additional advantage of a segmented seal seam of 14 mm in width. This allows maximum safety during the storage of sterilized instruments and facilitates the opening of the transparent sterilization packaging.

The sealing parameters pressure, temperature and time are monitored and can be printed on the MELA*print*® 44, saved on MELA*flash* CF card printer or transferred directly to a computer with the documentation and approval software MELA*trace*®.



The product highlights:

- Avoid malfunctions using the **intuitive operation** features: Softkeys and LCD display
- **High processing speed** of 8 m/min.
- **Additional safety** through a 14 mm seal seam
- **Serial interface** for log output via printer, CF card or computer
- **"Standard" and "Comfort" work tables** for the greatest-possible efficiency during the sealing process
- Compliance with EN ISO 11607-2 ensures **legal certainty**







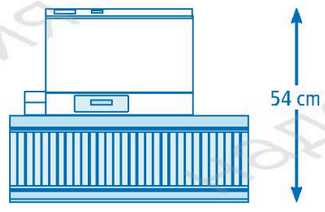
Find out more about the advantages of MELA*seal*® Pro in our product video: www.melag.com/en/multimedia

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.



Work table "Standard" and "Comfort"



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MELA*fol*®

Sealing processes at the highest level.

MELA*fol*® 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.

MELA*fol*® 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 MELA*fol*®. The peel direction indicated on the film guarantees easy and clean opening without releasing fibres or particles.



Accessories

Reel dispensers for the MELA*seal*® series.



„Deluxe" reel dispenser
sets new standards in ergonomical operation of MELA*seal*® 100+ and MELA*seal*® 200.



„Comfort" reel dispenser
saves space by storing the rolls above MELA*seal*® 100+ and MELA*seal*® 200.



„Standard" reel dispenser
is attached to the rear side of MELA*seal*® 100+ and MELA*seal*® 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.

MELA*fol*® 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:**
www.melag.com/en/multimedia

As versatile as your requirements: MELA*fol*® at a glance.

Reels	MELA*fol*® 502	MELA*fol*® 752	MELA*fol*® 1002	MELA*fol*® 1502	MELA*fol*® 2002	MELA*fol*® 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	MELA*fol*® 501	MELA*fol*® 751	MELA*fol*® 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.



MELA*trace*®
for the documentation, approval and traceability of the entire decontamination process. Compatible with MELA*seal*® 200 and MELA*seal*® Pro.



MELA*flash* CF card printer
saves all the MELA*seal*® Pro log files easily on a CF card.



MELA*print*® 44
prints the MELA*seal*® Pro sealing logs in paper form.

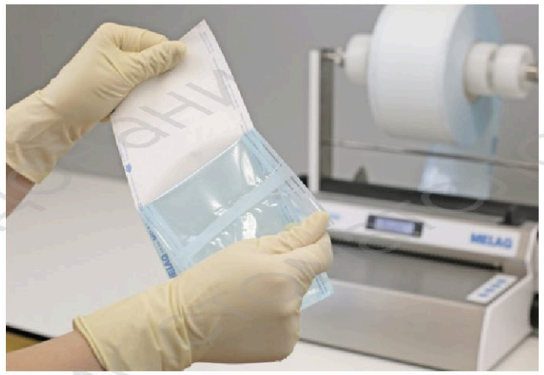
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Routine checks of sealing devices

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:

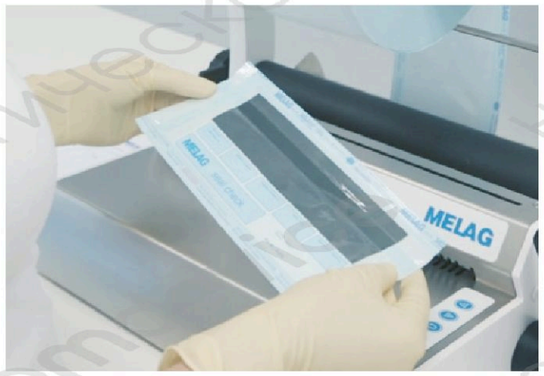
Peel test



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.

MELAG seal check



The **weekly** 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 **MELAG 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.

MELA*ink* test



The **MELA*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 MELA*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 MELA*seal*® 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.
www.melag.com/en/multimedia

Find out more about the **seal seam stability test** in our video tutorial.
www.melag.com/en/multimedia



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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 MELA*store*®. 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 **MELA*therm*® 10**



✔ Packaging with **MELA*seal*®** and **MELA*store*®**



✔ Sterilization with **MELAG autoclaves**



✔ Documentation and approval with **MELA*trace*®**



✔ Labelling with **MELA*print*® 60**

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Technical data

Figures and facts at a glance.





	MELA*seal*® 100+	MELA*seal*® 200	MELA*seal*® Pro
Device type	Bar sealing device	Bar sealing device	Rotary sealing device
Validatable	no	yes	yes
Documentation interface	no	2x USB port	1x RS 232 (serial interface)
Device dimensions (W x D x H)	41,5 x 24 x 15 cm	41,5 x 24 x 15 cm	46 x 29,5 x 15,5 cm
Weight	5,4 kg	5,4 kg	11,4 kg
Electrical connection	230 V / 50/60 Hz	230 V / 50/60 Hz	230 V / 50/60 Hz
Power Input	300 watts	300 watts	365 watts
Pre-heating time	240 sec.	90 sec.	120 sec.
Sealing duration / speed	ca. 4 sec.	ca. 3 sec.	8 m/min
Temperature range	100 - 210 °C	100 - 210 °C	100 - 199 °C
Seal seam width	10 mm	10 mm	14 mm
Seal seam length	max. 275 mm	max. 275 mm	Unrestricted
Integrated cutting unit	yes	yes	no
Order no.	10211	10120	10010

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 m² premises with 450 employees working diligently to maintain MELAG's world leading role in instrument decontamination.



MELAG
competence in hygiene

For further information:
www.melag.com

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