team medical® XX

MELAG
competence in hygiene

Vacuclave® 550
Something BIG is coming: The large small autoclave.

XL

Great for the environment. Great for you.

Quality – made in Germany

More space. More benefits. More WOW.

For big jobs.
With little effort.

MELAG shows what it means to reinvent sterilisation over and over again: Thanks to the extra-large chamber and pioneering innovations, you'll be ready for all tasks with Vacuclave® 550. Discover the advantages of our 50 liter autoclave for energy-efficient, time- and cost-saving sterilisation of your instruments:

Options?
Plentiful

Your instruments deserve greatness: The XL chamber design, record cycle times and high loading capacities offer maximum versatility - and even more space for instruments up to 25 kg and 16 trays.

Loves your instruments.
And the environment.

Sustainability through innovation: Due to the heat Recovery, DRYtelligence® drying and water-saving Coolify Technology, Vacuclave® 550 is a solution - for your budget and the environment!

And the best thing:
You save money.

Offers more, demands less: Vacuclave® 550 is not only significantly more affordable than two alternative small autoclaves, but also reduces ongoing operating costs for maintenance and validation.

Universal-B Programm

Recovery

83.9 °C
-0.459 bar

Evakuierung
Ende 12:35 Uhr

tuclave® 550

Large chamber. Huge benefits.

Opens up new possibilities:

More instruments.
In shorter time.

Turn 2 into 1 - Compared to two alternative small autoclaves, Vacuclave® 550 ensures significantly more capacity with a 40 % smaller footprint. Discover our product highlights for the sterilisation of the maximum number of instruments in the minimum amount of space in record time:

Impressive speed

Record operating times of just 12 minutes (excl. drying) and the highest quality of saturated steam – that's what the Double Jacket Technology stands for.

Uncompromising comfort

Definitely smarter! With the extra-large Smart-Touch Display, operation is as easy as using your smartphone.

Intelligent drying

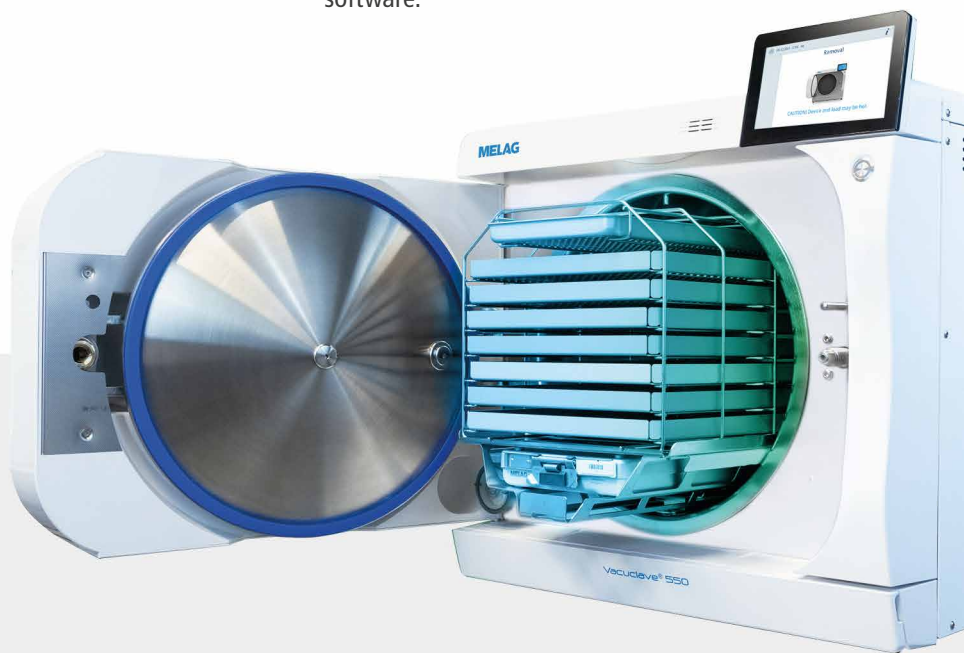DRYtelligence® makes for optimal drying results whilst shortening the drying time by up to 80 %.

Traceable documentation

Bye Bye sterilisation logbooks! ProControl allows you to document the batch approval directly via the Smart-Touch Display without any extra software.
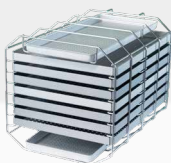
Outstanding capacity

More space for instruments up to 46 cm long: Sterilise a load of up to 25 kg on 16 trays or up to 10 MELAstore® Boxes.

All round flexibility:

We offer 3 loading options so that every practice or clinic can organise the workflow in the way that suits them best. With our optional slide system, we guarantee the highest level of ergonomics, and comfort during loading and unloading.

Mount Basic for up to 16 trays

for the sterilisation of the maximum number of unwrapped and wrapped instruments

Loading slide for up to 10 MELAstore® Boxes

for convenient loading and unloading of the autoclave with sterilisation containers

Loading slide with Mount Comfort for up to 16 trays

for maximum capacity and ergonomics when reprocessing individual instruments

The eco-friendly solution:

Save the planet.

Vacuclave® 550: The 50 litre autoclave combines environmental protection with economy. Save electricity, water and thus a lot of money with our future-oriented innovations:
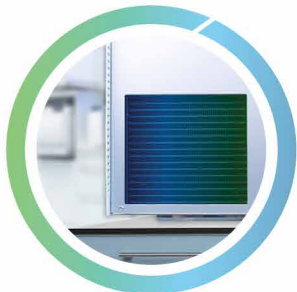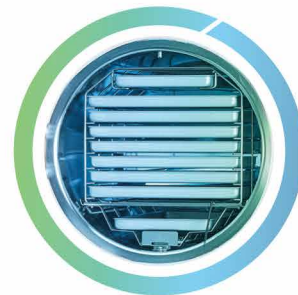
R*eco*very

The system for heat recovery deploys the heat from the used steam to generate new steam. The Recovery Technology not only reduces energy consumption by 15 % per cycle, but also heat dissipation into the decontamination room.

DRYtelligence®

Rely on ideal results: DRYtelligence® optimally adapts the drying process to your load. The intelligent algorithm reduces the drying time by up to 80 % – and thus saves a lot of time, money and energy.

Coolify

100 % reliability with 0 % cooling water – the patented Coolify Technology combines highly efficient air cooling with smart temperature monitoring. This allows you to enjoy your autoclave and the environment for a long time to come!

Power Safe

Vacuclave® 550 convinces with top energy efficiency during sterilisation and in stand-by mode! Power Safe puts the heating and display into an energy-saving mode between sterilisation cycles.

$3,600**

More power, less energy!
The four technologies presented here allow the powerful Vacuclave® 550 to save energy worth around $3,600.**

$4,250**

Saving water also means: saving money!
Vacuclave® 550 saves 1,300,000 litres of water over the entire lifespan compared to fixed water devices.*

MELAG

Vacuclave® 550

COMMITMENT TO SUSTAINABILITY

Deutsches Institut für Nachhaltigkeit und Ökonomie

SEAL OF APPROVAL
Investing in the future

$9,980**

Because fewer devices result in lower costs!
The service-friendly device concept halves the costs for maintenance and validation.*

$17,800**

These are over 17,000 good reasons to choose Vacuclave® 550:
in order to reduce your operating costs in the long-term!

** Prices shown in AUD coverted from EURO 30 January 2024

Everything from one source.
The MELAG System Solution.

Your decontamination room – the place where you ensure patient well-being

Our washer-disinfectors, sealing devices, autoclaves and software solutions turn your dreams of optimised workflows into reality. The ideal interplay of MELAG System Solutions allow you to achieve greater time and cost-savings in instrument reprocessing.

Vacuclave® 550

✓ Cleaning & disinfection with **MELAtherm®**

✓ Packaging with **MELAseal®** or **MELAstore®**

✓ Steam sterilisation

Personal:
One central contact to answer all your instrument reprocessing questions

Efficiency:
Cost optimisation by synchronising the service of all devices in your decontamination room

Process-optimised:
Coordinated operating concept to avoid malfunctions in everyday practice

with **Vacuclave® 550**

✓ Documentation & approval with **MELAtrace®**

✓ Marking with **MELAprint® 80**

As versatile as your needs.

A variety of accessories enables you to assemble the configuration which best suits your needs. Ideally aligned to your workflow, Vacuclave® 550 maximises efficiency in infection control!

Loading

To make the best use of the sterilisation chamber, we offer ideal loading systems for all application scenarios.

Mount Basic for up to 16 trays

✓ for 7 trays for Vacuclave® 550 and 2 long trays

✓ for 14 short and 2 long trays

Loading slide for up to 10 MELAstore® Boxes

✓ for 10x MELAstore® Box 100

✓ for 7x MELAstore® Box 200 and 1x MELAstore® Box 100

Loading Slide with Mount Comfort for up to 16 trays

✓ for 7 trays for Vacuclave® 550 and 2 long trays

✓ for 14 short and 2 long trays

Documentation

Vacuclave® 550 guarantees legally compliant documentation and approval with integrated USB and network interfaces.

MELAtrace®

ensures professional documentation, approval and traceability of the entire decontamination process.

MELAprint® 80

prints barcode labels for optimal instrument marking and traceability.

USB Stick

documents all Vacuclave® 550 sterilisation logs quickly and easily on a digital storage device.

More capacity?

Our Cliniclave® 45 series ensures maximum flexibility with a capacity of one or two sterilisation units (StU) as well as one or two door device version.

Water treatment

MELA*dem*® water treatment systems deliver high-quality demineralised water to protect both your autoclave and your instruments.

MELA*dem*® 47

is a powerful reverse osmosis system to supply Vacuclave® 550 with demineralised water.

MELA*dem*® 53

is a water treatment system with a very high capacity for Vacuclave® 550, MELA*therm*® and up to two further devices.

Further accessories

Our optional accessories enable a time-saving sterilisation and optimal care of your autoclave.

Chamber Protect

for careful cleaning of stainless-steel surfaces. The chamber cleaning set includes a powerful cleaner, 50 lint-free cloths and 1 microfibre cloth.

MELA*control*® Helix

With 250 indicator strips provides reliable proof of your sterilisation results.

MELA*store*®

guarantees a packaging process with huge time savings through standardisation as well as a reduction in material costs and practice waste.

Facts and figures at a glance
Technical specifications

Vacuclave® 550 guarantees fast sterilisation of large quantities of instruments with a wide range of programs:

Programs*		Operating times (with minimum to maximum load) **	Drying	
			DRYtelligence® ***	Time-controlled
Universal-B	134 °C, Holding time: 5,5 min	13 – 43 min	> 4 min	13 min
Quick-S	134 °C, Holding time: 3,5 min	12 – 33 min	> 4 min	13 min
Gentle-B	121 °C, Holding time: 20,5 min	25 – 62 min	> 4 min	13 min
Prion-B	134 °C, Holding time: 20,5 min	28 – 58 min	> 4 min	13 min

* The programme parameters may differ due to country-specific regulatory requirements. Please refer to the user documentation.
** The times in 13-amp operation can be extended by up to 10 minutes
*** DRYtelligence® automatically adapts the drying process to your load. Thanks to intelligent drying, optimal drying results are achieved at all times.

Vacuclave® 550 can be installed quickly and easily as a table top autoclave in any decontamination room. The following list gives you an overview of the installation requirements:

	15 amp operation	13 amp operation
Order no.	ME10550	
Chamber size	ø 38 cm x 45 cm long	
Chamber volume	53 liters	
Loading quantity	25 kg unpacked, 11 kg packed, 17.5 kg with MELAstore®, 3.5 kg textiles	17,5 kg unpacked, 9 kg packed, 14 kg with MELAstore®, 2 kg textiles
Device dimensions (W x H x D)	63,6 x 59,0 x 71,5 cm height incl. display 65 cm device fits on a 60 cm table top	
Weight	98 kg (operating weight up to 127 kg)	
Power supply	220 – 230 V / 50 – 60 Hz	
Power consumption	3.400 Watts	2.700 Watts
Documentation interfaces	USB, Network	

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