

Rent watttron's thermoforming test kit

Watttron is the inventor of digital heating systems cera2seal® and cera2heat®. Where cera2seal® was developed for sealing applications, cera2heat® was specifically developed to help the thermoforming industry process sustainable materials, whilst saving considerable energy and material. The introduction of our cera2heat® technology has gone really well and more and more companies are discovering astonishing returns on their investments with this ground-breaking technology.

We're very excited to let you know that it is now possible to rent a cera2heat® test kit, so that you can see for yourself how flexible this more about the enormous accuracy of the individual pixel heating and test various temperature profiles. This will show you how you can play with wall thickness distribution to optimise your current packs and save up to 50% material. Once you've tested this, you can talk with our experts on how to implement this into your production process or that of your supplier.



If you scroll down in this newsletter, you'll find an interesting ROI calculator. With this you can calculate the payback of your possible investment in the cera2heat technology. We are confident that once you've seen the results, you're hooked.

The test kit is fully stand alone and consists of 2 pcs of 120 x 120 mm heaters, each containing 576 individually controllable pixels, a controlling server and all the necessary related equipment.

For more information on the rental test kit, please click on this button.

Contact Us!

Proven Material Savings

Driven by the 2030 Sustainability Goals, numerous Consumer Packaged Goods (CPG) manufacturers are actively seeking dependable solutions and partners to transition from multilayer films to mono-materials. We have an excellent solution! Our innovative digital heating tools are capable of processing a broad spectrum of industry-specific thermoplastic materials. Recently, a majority of our customers have requested us to conduct tests on material substitution, specifically transitioning from multilayer A-PET or PS to mono PP.

Approximately 50% of our efforts are focused on improving minimal wall thicknesses to optimize material usage. Respectively, we tested following combinations of material, thicknesses and drawing ratios:

Material type	Material thickness	Drawing ratio	Minimal wall thickness	Wall thickness improvement
A-PET	700 µm	2.4	91 µm	279 %
A-PET	500 µm	2.4	65 µm	400 %
Mono PP	1200 µm	3.7	180 µm	310 %
PP/EVOH/PP	1200 µm	3.4	132 µm	240 %
PP/EVOH/PP	550 µm	3.8	76 µm	200 %
PP/EVOH/PP	830 µm	3.3	213 µm	460 %

As illustrated in the table, utilizing cera2heat® technology not only enables the reduction of material thickness through temperature profiling but also facilitates the processing of materials with a smaller footprint, such as PP, which is known for its extremely narrow processing window.



We prepared trays with two packages made of PP with our watttron logo on the bottom. The package on the right was produced with using a homogenous temperature profile, while the one on the left was created with a heterogenous temperature profile. These profiles are the best way to demonstrate the potential of our cera2heat® technology to our customers.

Introduction ROI Model

We're excited to share news that we have developed a powerful spreadsheet tool for cera2heat®. This tool makes it easy for you to calculate your company's individual Return on Investment (ROI). By utilizing this tool, you can effortlessly compare the use of a standard heating plate with the advantages of investing in our advanced watttron matrix heater. Just provide us with specific data such as film parameters and operational details (like the number of lanes and daily production hours), and you'll receive a tailored ROI analysis. Typically, our customers experience a rapid ROI, often within a year. Additionally, all our matrix heaters are designed for seamless integration into your existing machinery.

This is your opportunity to optimize processes and save costs. Share your data, and let us showcase the benefits of choosing watttron.

Feel free to reach out with any questions.

Contact Us!

New Product Announcement  
Sealing Round Heater Hygienic (SRHH)

We have extended our sealing product range with a new sealing round heater. We're introducing our new SRHH sealing round heater hygienic – a gamechanger for sustainable mono-materials. It features a waterproof and hygienic design, readily integrated into numerous existing cup filling lines and features a swift ramp-up allowing sealing operations within seconds. The new sealing round heater hygienic is suitable for different dairy applications. The SRHH is available in common sizes 75 to 95 mm diameters, although other dimensions are also possible. Our sealing round heater is perfect for sealing cups made of recyclable mono-materials. We guarantee temperature accuracy ± 1 K.



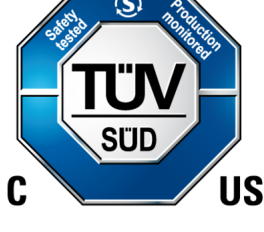
Are you interested in an offer? Please contact our Sales Team

Contact Us!

UL Certification

An important next milestone has been reached: our control cabinets have secured official product safety certifications in both the USA (UL-Listed) and Canada (CSA-Listed), underlining our unwavering commitment to quality and safety.

What does it mean for you? This certificate is often required by customers especially from North America and Canada. It is the next step in watttron's entry into the global market, as we place the highest value on the safety and quality of our products for our customers.



Interesting Events

October 25th

AI for sustainable plastic packaging Dresden

Together with Peerox we will be speakers at the event "AI for sustainable plastic packaging". Packaging is an integral part of our everyday lives. But they also leave a huge ecological footprint. In the meantime, sustainability and environmental protection are on a par with product quality. That's why we need innovative solutions that revolutionize the packaging industry. This event offers you the opportunity to get to know the AI Hub Plastic Packaging interactively and to learn more about the role of AI in the packaging industry. You're kindly invited!

Visit Website

November 28th – 29th

Thin Wall Packaging Cologne

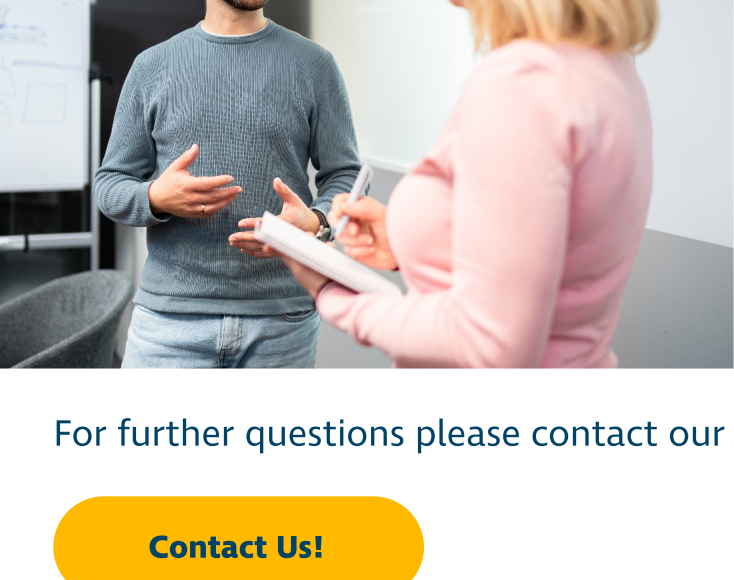
Marcus Stein will speak about "Moulded Pulp with removable barriers". You're kindly invited!



Marcus Stein  
CEO at watttron

Visit Website

Jobs at watttron



Come and join the watttron team! We offer interesting and challenging tasks, a positive working environment in international teams and opportunities for personal development and growth!

We're especially looking for:

- Technical Sales Manager
- People & Culture Specialist

For further questions please contact our People & Culture Team

Contact Us!

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