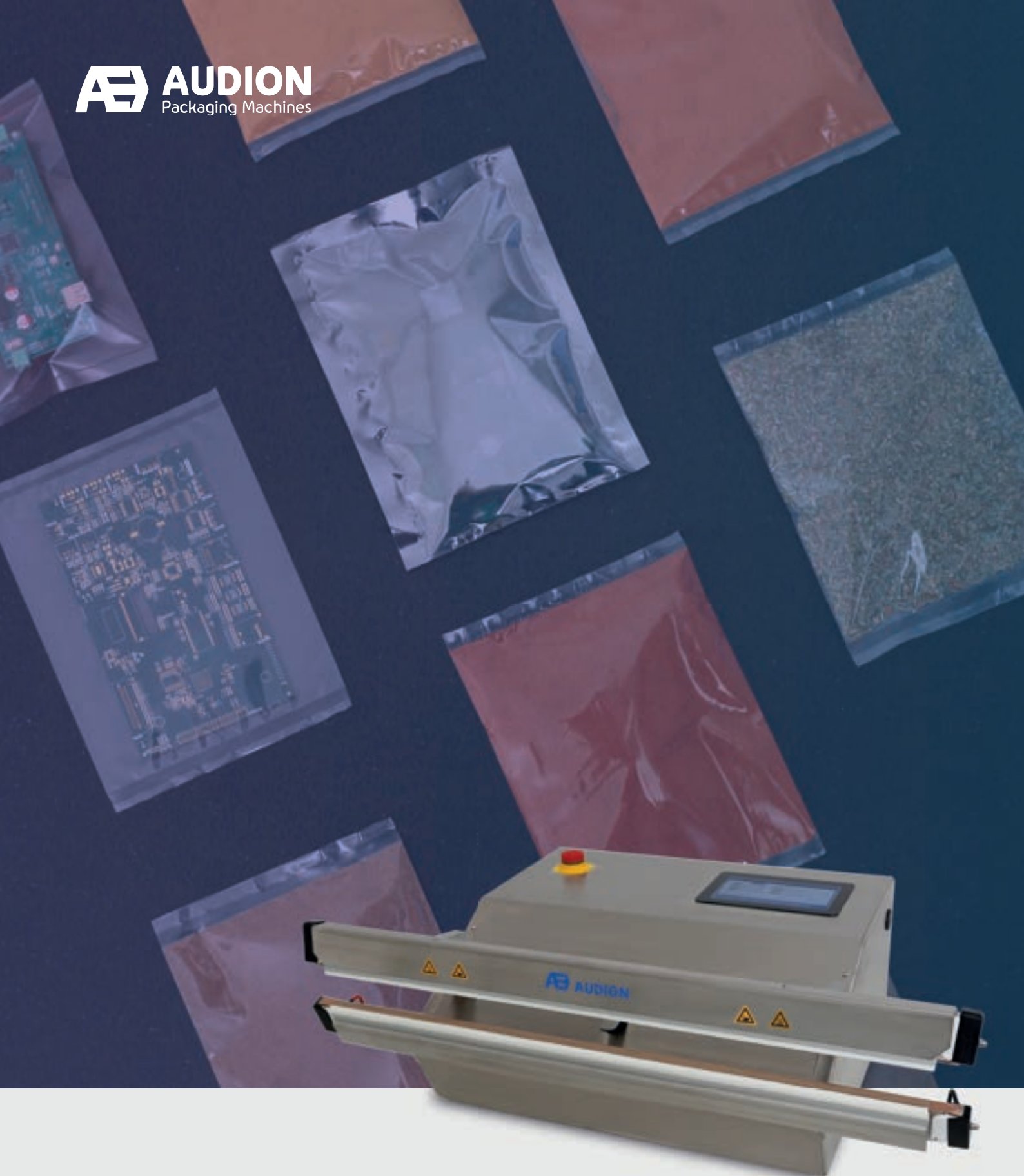




Audion Power Sealer Temperature Controlled

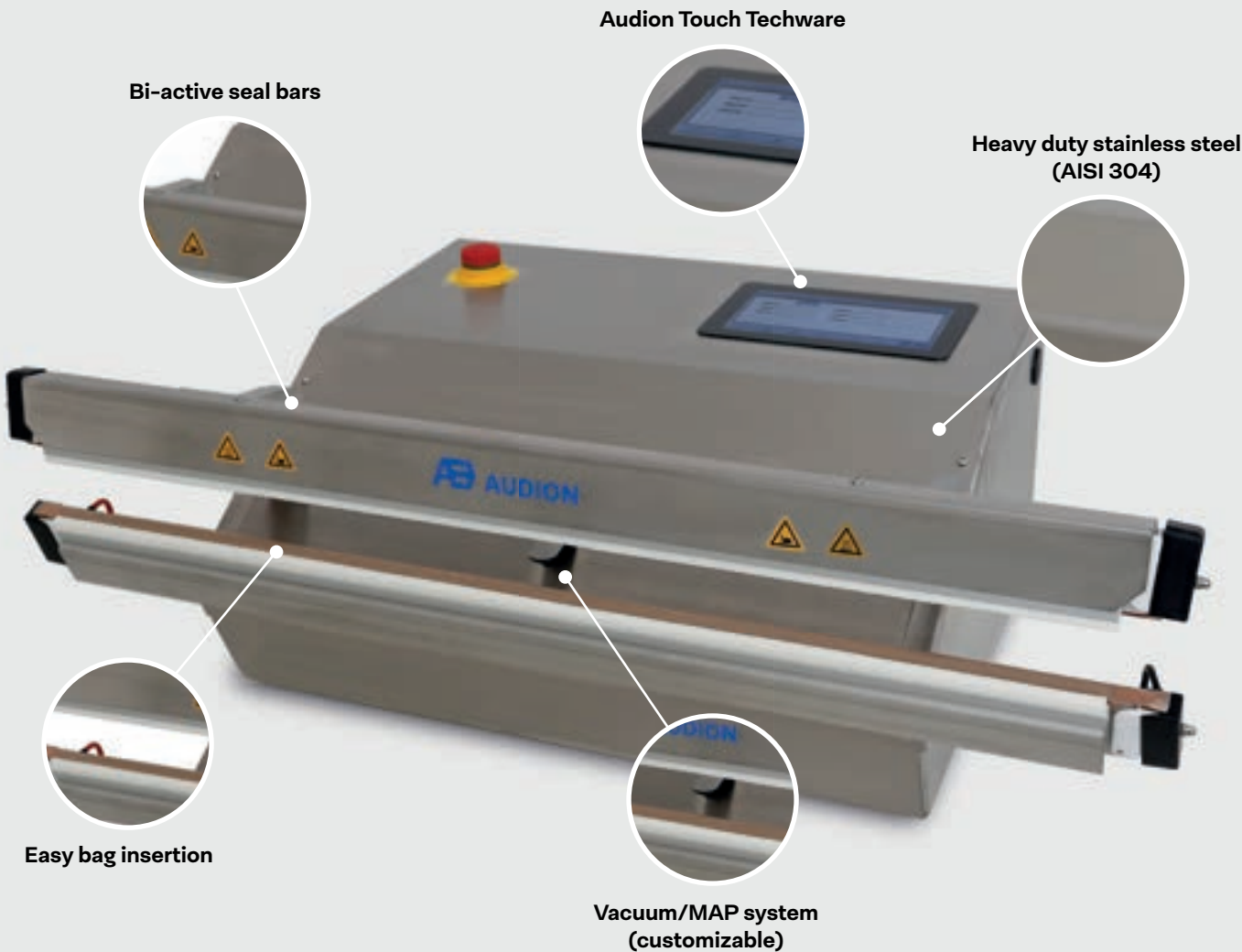
Precision Sealing for High-Tech and Food Industries

Audion Power Sealer Temperature Controlled

The temperature controlled Power Sealer TC is a robust stainless steel impulse sealer for temperature controlled packaging of high-tech components and (delicate) food products. Due to its precise temperature control and integrated parameter alarm stop it ensures safe packaging of sensitive electronic items and (fresh) food products. This semi-automatic packaging solution is equipped with pneumatic bi-active seal bars that effortlessly produce a consistent reliable 8 mm seal on almost all modern packaging materials, even during intensive

use. The renowned “open head design” of Power Sealer series allows quick and effortless insertion of bags for ultimate efficiency in operation.

The user-friendly Audion Touch Techware control interface collaborates with the integrated Audion Temperature Controller (ATC) to enable precise temperature monitoring. This ensures ultimate product safety and a consistent high seal quality to safely pack sensitive electrical components and perishable products.



Applications

Discover the unparalleled seal temperature control with Audion Power Sealer Temperature Controlled. Meticulously engineered for demanding packaging environments in high-tech and food. The high-end seal control technology and wide adaptability of Power Sealer TC makes it the ideal solution for Food and High-Tech industry. Explore the extensive applications:



Food Packaging
Strong and reliable temperature controlled seals and advanced vacuum options elevate freshness and shelf life for a wide array of food products, from fresh produce to meats, spices, cheeses and snacks.



High-Tech Industrial Packaging
Safeguard electronic components and high-tech industrial products with precision temperature controlled sealing and advanced monitoring of seal temperature parameters, ensuring product protection and reliability.



General Packaging
Experience unparalleled versatility across industries—seal a wide spectrum of products with ease, offering flexibility tailored to your unique packaging needs.

Key Features and Benefits

- ✓ **Precise temperature control:** ATC stands for precise temperature regulated seal cycles. Every seal will have a consistent quality and seal parameters can be monitored (including alarm stop).
- ✓ **Strong seals:** Pneumatic bi-active seal bars produce a strong and equally divided 8 mm seal.
- ✓ **Powerful and practically maintenance-free Venturi pump**
- ✓ **50 recipe memory:** 50 sealing recipes can be stored in the user-friendly and clear 7”HMI, saving time when sealing different product or package type.
- ✓ **USB port:** To transfer the seal data.
- ✓ **Data logging:** Data on recipe name, batch number, parameter settings, temperature tolerance, alarm limits, date/time, seal ID, parameter results, pass/fail, alarm code can be stored to track the performance of the machine and to identify any problems.
- ✓ **Integrated 3 level log-in:** An integrated 3 level log-in access control (operator, supervisor and administrator) ensures protected seal cycles and recipes.
- ✓ **Multi language menu:** The user interface is available in multiple languages.
- ✓ **Alarm history:** The machine has an alarm history that logs date/time, alarm code/ descriptions.
- ✓ **Advanced options:** A wide range of options is available to optimize the quality of your product during packaging.
- ✓ **Compatible with ISO 12100, ISO 4414, ISO 14118 and EN 60204-1**



Options to customize



Power Sealer TC

- **Electrical (115V) and power cable options:** for global compatibility.
- **Hygiene & visual perfection:** Cutting device, partical ejection system and quick cleaning system for powder filter can be integrated to optimize the hygiene and visual presentation of your package.
- **Clean room solutions:** Several solutions like silicone poor (SILA), ESD, external exhaust, various filters etc.
- **Bag stretchers:** To prevent folds in the seal.
- **Configurable seal:** 5 mm seal or silver plated sealwire
- **Thick Film configuration**



Vacuum Power Sealer TC

- **Vacuum and gas flush:** Enables (multi-cycle) vacuum and/or MAP packing to reduce the volume and accomplish the best MAP results. Also available: automatic vacuum height adjustment, particle ejection system, digital vacuum flow regulator.
- **Easy big-bag vacuuming:** The Automatic Height Adjustment allows the vacuum nozzle to descend deeper into the voluminous bag in order to vacuum closer to the product.
- **Nozzle configurations:** Fit your product and the best vacuum/MAP packaging.
- **Heavy Venturi pump:** To shorten cycle time and improve vacuum capacity for extra-large bags.
- **External Venturi Pump:** Prevents contamination of the interior of the machine and allows easy access for cleaning purposes.
- **Digital Vacuum Flow Regulation:** Digital control of the vacuum flow rate, to control a gentle vacuum process, which is particularly beneficial for vacuuming small bags and fragile items such as electronics or soft foods.



Available Accessories

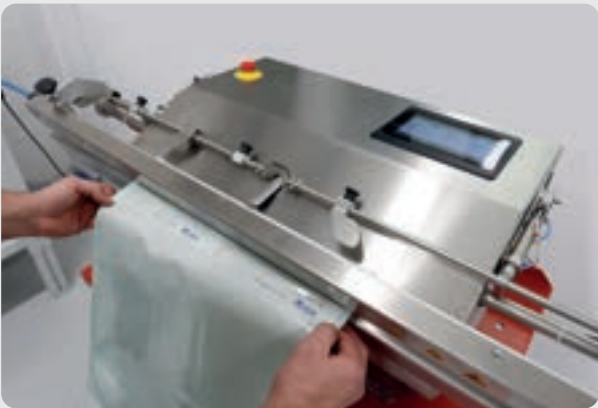
- **Support frame:** to adjust the seal angle and sealing height. To optimize sealing results and ergonomical operation.
- **Bag support/work table options:** to provide a stable and convenient support during sealing.
- **Labeller:** to print traceability information on bags for product traceability, such as: date, product name, and lot number on the bag.
- **Barcode scanners:** For quick and easy switch between seal recipes.
- **ATM (Audion Temperature Measurement):** Seal temperature verification set to verify the accurate seal temperature.

Audion Calibration Service and Seal Integrity Test

For maximum seal integrity the seal temperature can be calibrated. Audion offers Factory Calibration Service to calibrate your machine and ensure that your seal temperature is set at the correct value.

Seal Integrity Test

Audion offers a Seal Integrity Test Kit, including a peel test, seal check and ink test to ensure that your Power Sealer TC delivers a seal quality according to your requirements and expectations.



Technical Specifications

General Specifications			
Type of machine	Temperature controlled impulse sealer (PSR TC) Temperature controlled vacuum impulse sealer (VAC PSR TC)		
Models	(VAC) PSR TC 520	(VAC) PSR TC 720	(VAC) PSR TC 1020
Seal Length (mm)	520 mm	720 mm	1020 mm
Power consumption	2500 W	3000 W	2600 W
Dimensions WxDxH	615 x 512 x 257 mm	815 x 512 x 257 mm	1115 x 512 x 257 mm
Machine weight	41 kg	46 kg	50 kg
Covering	Stainless steel AISI 304		
Control system	Audion Touch Techware, equipped with Audion Temperature Controller (ATC) + 7 "HMI (ADC)		
Operation	Foot pedal, emergency switch		
Parameter monitoring (alarm stop)	Seal temperature		
Data transfer	USB		
Vacuum system (*)	SMC Venturi pump 11.3 m3/h (240 L/min. at 6 bar)		
Gas supply (*)	Max. 0.1 Mpa		
Seal width (mm)	8 mm		
Seal system	Bi-active seal, flat seal		
Pneumatic supply	0.6 MPa (min) – 1.0 MPa (max)		
Min/Max. film thickness	Min 2 x 20 MY / Max 2 x 200 MY		
Effective cutting length	440 mm		
Power supply	230 V – 1ph – 50/60Hz (standard) or 115 V – 1ph – 50/60Hz		
Noise level	< 85 (dB(A)		

Seal parameter specifications		
Process parameters	Vacuum time setting range (*)	0.1 - 120.0 sec.
	Gas flush time setting range (*)	0.1 - 120.0 sec.
	Seal temperature setting range	100 - 200 °C
	Tolerance range	0 - 20 °C (default 5 °C)
	Accuracy	+/- 3°C or +/- 2% (whichever is larger)
	Seal time setting range	0.8 - 10.0 sec.
	Cooling temperature setting range	50 - 150 °C
Adjustable parameters	Fine tuning for calibration	Seal temperature

(*) Only applicable to vacuum models

Validation functions and System & functions		
Validation functions	Parameter monitoring (alarm stop)	Seal temperature
	Data logging (.csv file trough USB stick)	Machine ID Login level Recipe name Batch number Parameter settings Temperature tolerance Alarm limits Date/time Seal ID Parameter results Pass/fail Alarm code
Systems & functions	Login level	Operator Supervisor (password access) Administrator (password access)
	Language	English, German, Italian, Czech, Netherlands, French, Japanese, Chinese
	Alarm history	Date/time Alarm code/descriptions
	Counter	Bag counter (resettable) Machine counter (non-resettable)

Parameter monitoring on seal temperature for ultimate reliability

Power Sealer TC provides effortless data logging, monitoring critical details such as seal temperatures and alarm stop activations, while storing them in a clear, accessible .csv file format via USB.

This comprehensive data recording enables in-depth analysis for continuous optimization of performance and efficiency, meeting stringent quality standards for regulatory compliance and product integrity.



Let’s open opportunities.

