



AUDION

Packaging Machines

Together we make the perfect package

**Validatable Horizontal
Continuous Band Sealer**

D 542 AHSV

**Equipped with:
Audion Touch Techware
Version BS1.02_01**

**Technical
Specification Sheet**

Rev.00

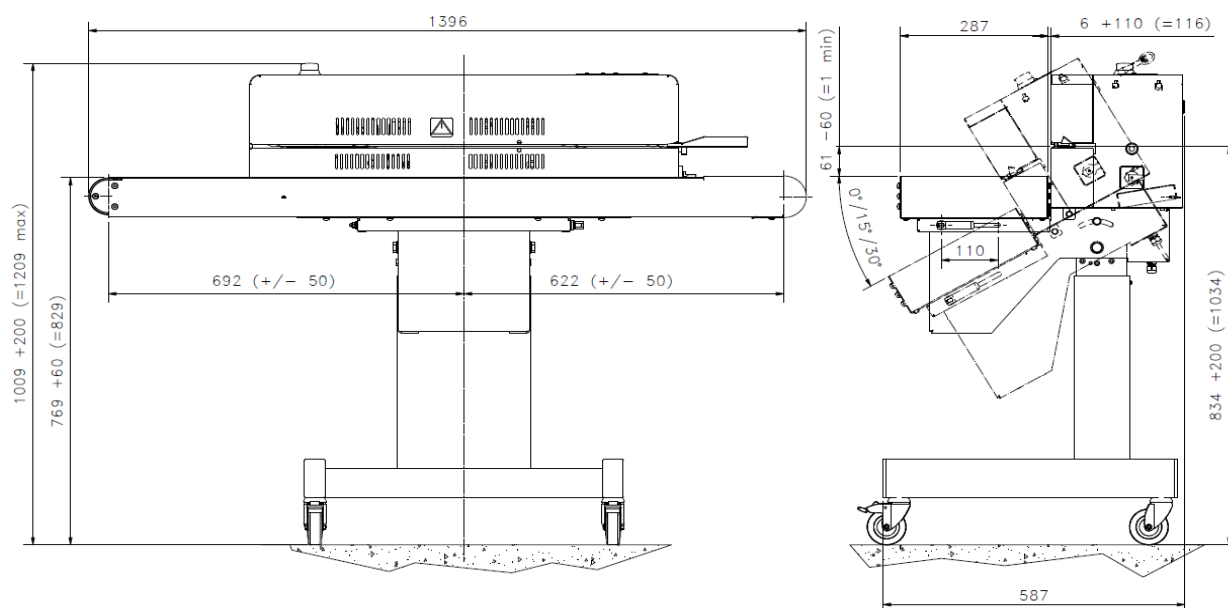


General specifications	
Type of machine	Validatable horizontal continuous band sealer
Model	D 542 AHSV
Machine dimensions WxDxH	1396 x 587 x 1009 mm
Weight	92 kg
Seal width	10 mm
Seal system	Knurled seal
Bag material	Sealable pouches (PE, PP, laminate, paper bags, etc.) Preformed sterile barrier system conforming ISO 11607-1, EN 868-5, EN868-9
Material thickness	60 – 200 micron (depends on the type of material)
Bag length	55 – 460 mm
Max. carrying weight	10 kg
Control system	Audion Touch Techware Equipped with Audion Temperature Controller (ATC) + 7 inch touchscreen (ADC)
Data transfer	USB memory stick
Covering	Stainless steel
Sealing height adjustable range	0 – 200 mm (on machine) 834 - 1034 mm (from floor)
Conveyor belt height adjustable range	0 - 60 mm
Inclined working angles	0° / 15° / 30°
Conveyor belt width	250 mm
Power supply	230 V – 1ph – 50Hz
Power consumption	1100 W
Noise level	< 85 dB(A)
IP rating	IP20
Applicable standards	2006/42/EC, 2014/30/EU, 2011/65/EU+2015/863, EN-ISO 12100:2010, EN-ISO 13732-1:2008, EN-ISO 13850:2015, EN-ISO 14118:2018, EN-IEC 60204-1:2018, EN-ISO 11607-2:2020, ISO/TS 16775:2021, EN 868-5:2018, DIN 58953-7:2020

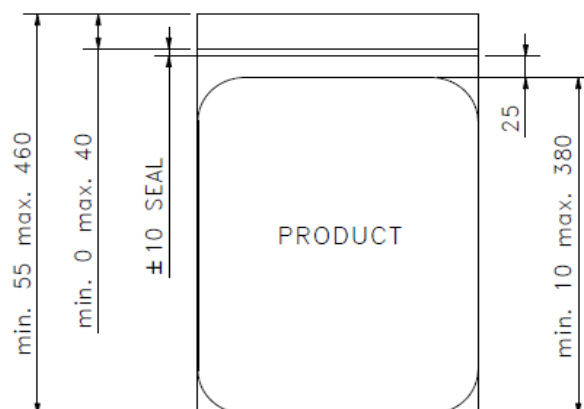
Technical specifications			
Recipe	Storage	50 recipes	
	Recipe backup (.bin file through USB stick)	Copy recipe to USB Load recipe from USB	
Process parameters	Seal temperature Setting range Tolerance range	80 – 200 °C (max. 250 °C on request) 3 – 20 °C (default 5 °C)	
	Seal force Setting range Tolerance range	5 – 80N (default 30 N) +/- 0 – 50 N (default 10 N)	
	Seal speed Setting range Tolerance range	1,0 – 10,0 m/min. +/- 0,0 – 5,0 m/min. (default 0,5m/min.)	
Adjustable parameters	Fine tuning for calibration	Seal temperature Seal force	
Validation functions	Parameter monitoring (alarm stop)	Seal temperature Seal force Seal speed Seal length	
	Data logging / batch record (.csv file through USB stick)	Machine ID User name Recipe name Batch ID Parameter settings Parameter tolerances	Alarm limits Date/time Seal ID Parameters results Pass/fail Alarm code
System & functions	User administration (option)	User name User levels	Login password Logout time setting
	Login levels	Operator Supervisor Administrator	
	Language	English German Italian	Netherlands French
	Alarm history	Date/time Alarm code/descriptions	
	Counter	Bag counter (resettable) Machine counter (non-resettable)	

Data logging file									
AUDION TOUCH TECHWARE LOG FILE									
Machine ID:	10100716								
Software version:	1.02_2								
Username:	Administrator								
Recipe:	MY0825								
Batch:	ABC12345								
		Seal Speed	Seal Temp upper plate	Seal Temp lower plate	Seal Force	Seal length			
	Setpoint	10	150	150	30	110			
	TOL	0,5	5	5	10	5			
	UAL	10,5	155	155	40	115			
	LAL	9,5	145	145	20	105			
Date&Time	Seal ID	Seal Speed	Seal Temp upper plate	Seal Temp lower plate	Seal Force	Seal length	Pass/Fail	Alarm Code	
2025/07/15 13:42	231	10	149,5	151,4	30	107	Pass		
2025/07/15 13:42	232	10	150,1	151,8	31	111	Pass		
2025/07/15 13:43	233	10	149,7	150,3	25	117	Fail		37

Machine dimensions



Bag size range



Option	Descriptions
User administration	Access control with login ID and password
Label printer	For printing tracing information on labels and apply on packages Label printer : CAB MACH2
Barcode scanner	Quick recipe change by scanning a barcode Scanner : Honeywell Voyager 1400g

Accessories / Services	Codes	Descriptions
Parameter verification	ATM-R	Seal temperature verification set
	AFMR	Seal force verification set
Calibration		Audion factory calibration
IQ/OQ Check	IQ/OQ VAL	1 x IQ check for 1 machine > Operation training (max. 4 persons) > Maintenance training (max. 4 persons) OQ check for 1 type of bag > Peel test for defining seal temperature > Peel test with defined seal temperature > Dye penetration test > Seal check
	OQC	Extra OQ check for each extra bag
Seal integrity test	SIT	Seal integrity test service > Peel test > Dye penetration test > Seal check
	APT 100	Peel tester
	ASC SHEET	Seal check sheet
	ASC ROLL	Seal check sheet in roll
	ASC INK-B	Blue ink for dye penetration test

Measuring instruments for parameter verification

Seal temperature  ATM-R	● Measurement range: -60°C to 350°C ● Thermocouple: NiCr-Ni Type K ● Diameter: 6 mm ● Resolution: 0,1°C (up to 199,9°C) / 1 °C (above 200°C) ● Accuracy display unit: 0.3% of reading + 1°C ● Measuring rate: 2,5 per second ● Minimum and maximum values readable ● Operating conditions: +5 ... 50 °C, 30 – 70% RH (non-condensing) ● Power supply: 9V battery ● Battery life: +/- 100 hours ● Dimensions: 63 (W) x 186mm (L) x 40mm (D) ● Weight: 350 grams
Seal force  AFMR	● Measurement range: max. 2000 N ● Resolution: 0,1 N ● Accuracy class: 0,5 % ● Operating temperature range: -10 ... +50 °C ● Max. Overload: 120% ● Measuring rate: 50 per second ● Power supply: 3x AA batteries ● Battery life: +/- 40 hours ● Environmental protection: IP 54 ● Dimensions: 82mm (W) x 162mm (L) x 54mm (D) ● Weight: 670 grams (excluding mounting tools)