

GREEN POLY ANTISTATIC BUBBLE PACK

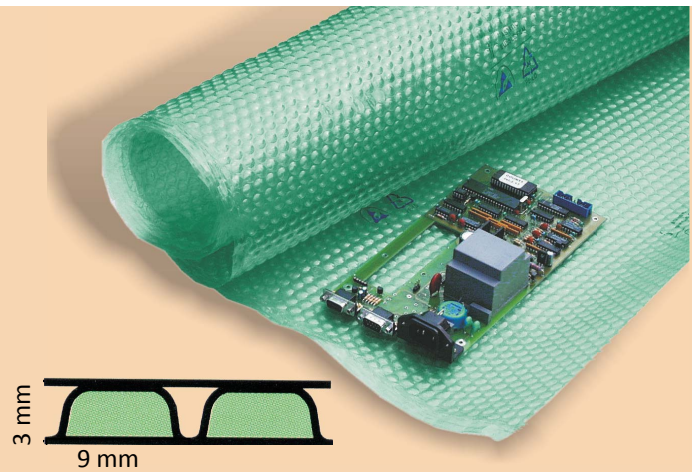
Multilayer polyethylene, green colour, amine-free, heat sealable, recyclable. Small strong barrier bubble provides a superior packaging protection with excellent puncture and tear resistance.

Electrostatic decay: < 2 sec

Rs: < 10¹¹ Ω

Colour: transparent green

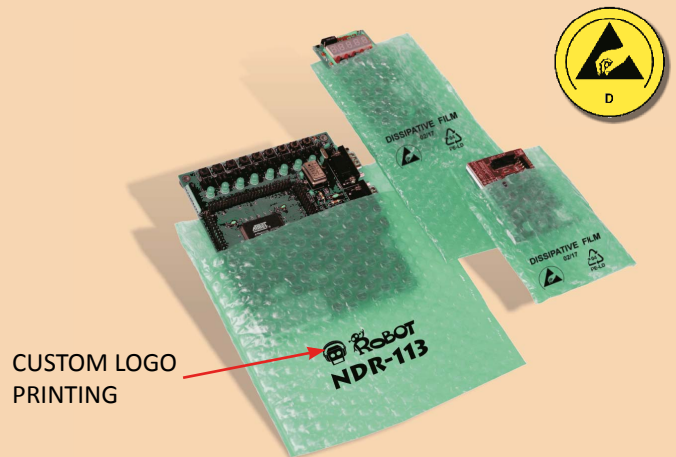
7804.184	Dissipative bubble pack roll 0.5meters x 200meters
7804.185	Dissipative bubble pack roll 1meter x 200meters



DISSIPATIVE BUBBLE PACK BAGS

Provide superior protection against physical damage during shipping and storage.

	Opening x depth	Closing pad
6604.101	90 x 100mm	30mm
6604.102	100 x 180mm	30mm
6604.105	130 x 185mm	30mm
6604.107	180 x 230mm	30mm
6604.110	250 x 250mm	NO
6604.114	280 x 360mm	30mm



POLYETHYLENE TUBING

6604.210	Black CONDUCTIVE	75 μm - 100mm width - 500m roll
6604.214	Black CONDUCTIVE	75 μm - 150mm width - 500m roll
6604.218	Black CONDUCTIVE	75 μm - 200mm width - 500m roll
6604.224	Black CONDUCTIVE	75 μm - 250mm width - 500m roll
6604.228	Black CONDUCTIVE	75 μm - 300mm width - 500m roll
6604.230	Black CONDUCTIVE	75 μm - 400mm width - 500m roll
6604.239	Green DISSIPATIVE	100 μm - 75mm width - 250m roll
6604.240	Green DISSIPATIVE	100 μm - 100mm width - 250m roll
6604.244	Green DISSIPATIVE	100 μm - 150mm width - 250m roll
6604.248	Green DISSIPATIVE	100 μm - 200mm width - 250m roll
6604.254	Green DISSIPATIVE	100 μm - 250mm width - 250m roll
6604.258	Green DISSIPATIVE	100 μm - 300mm width - 250m roll
6604.260	Green DISSIPATIVE	100 μm - 400mm width - 250m roll
6604.261	Green DISSIPATIVE	100 μm - 500mm width - 250m roll
6604.264	SHIELDING	78 μm - 100m width - 100m roll
6604.266	SHIELDING	78 μm - 150mm width - 100m roll
6604.268	SHIELDING	78 μm - 200mm width - 100m roll
6604.270	SHIELDING	78 μm - 250mm width - 100m roll
6604.272	SHIELDING	78 μm - 300mm width - 100m roll
6604.275	SHIELDING	78 μm - 400mm width - 100m roll
6604.280	SHIELDING	78 μm - 800mm width - 100m roll



SHIELDING BAGS (metal-in)

LABESTAT S85 (packages of 100pcs)

Semi-transparent, heat sealable, the metallised shielding bags offer excellent protection for ESD sensitive devices.

A buried layer of metallic film sandwiched between an inner layer of polyethylene and an outer layer of polyester to provide protection against all static damage without exposing metal surfaces.

Thickness of the film: 78 μm

Transparency: 40%

Surface Resistivity:

-inner layer (polyethylene): $< 10^{11} \Omega$

-intermediate layer (metal): $< 10^2 \Omega$

-outer layer (polyester): $< 10^{11} \Omega$

ZIPLOCK (zippered recloseable bags)

7804.290	100 x 150 mm (4" x 6")
7804.296	150 x 250 mm (6" x 10")
7804.304	250 x 300 mm (10" x 12")
7804.306	300 x 400 mm (12" x 16")

opening x depth

7804.268	76 x 127 mm (3" x 5")
7804.270	100 x 150 mm (4" x 6")
7804.272	125 x 200 mm (5" x 8")
7804.274	150 x 200 mm (6" x 8")
7804.276	150 x 250 mm (6" x 10")
7804.278	200 x 250 mm (8" x 10")
7804.280	200 x 300 mm (8" x 12")
7804.284	250 x 300 mm (10" x 12")
7804.285	250 x 350 mm (10" x 14")
7804.286	300 x 400 mm (12" x 16")
7804.287	400 x 500 mm (16" x 20")
7804.288	450 x 450 mm (18" x 18")
7804.310	400 x 450 mm (16" x 18")
7804.312	450 x 680 mm (18" x 27")



CONDUCTIVE BAGS

LABESTAT C75 (package of 100pcs)

Made from black multilayer polyethylene layflat tubing are available in many sizes. All bags are printed with the ESD logo and text in conformity to IEC61340-5-1. Don't use for packaging PCBs with on-board batteries.

Thickness of the film: 75 μm

Surface Resistivity: $\leq 10^5 \Omega$



opening x depth

7804.210	100 x 150 mm (4" x 6")
7804.212	100 x 200 mm (4" x 8")
7804.214	150 x 200 mm (6" x 8")
7804.216	150 x 250 mm (6" x 10")
7804.218	200 x 250 mm (8" x 10")
7804.220	200 x 300 mm (8" x 12")
7804.222	200 x 350 mm (8" x 14")
7804.224	250 x 300 mm (10" x 12")
7804.226	250 x 350 mm (10" x 14")
7804.228	300 x 400 mm (12" x 16")
7804.230	400 x 450 mm (16" x 18")

DISSIPATIVE BAGS

LABESTAT A100 (package of 100pcs)

Material: Polyethylene, green colour amine-free, heat sealable, recyclable

Print: ESD and Recycle logos, production batch

Thickness: 100 μm

Rs: $< 10^{11} \Omega$



opening x depth

7804.239	76 x 127 mm (3" x 5")
7804.240	100 x 150 mm (4" x 6")
7804.242	100 x 200 mm (4" x 8")
7804.237	100 x 460 mm (4" x 18")
7804.244	150 x 200 mm (6" x 8")
7804.246	150 x 250 mm (6" x 10")

opening x depth

7804.247	150 x 300 mm (6" x 12")
7804.248	200 x 250 mm (8" x 10")
7804.250	200 x 300 mm (8" x 12")
7804.252	200 x 350 mm (8" x 14")
7804.254	250 x 300 mm (10" x 12")
7804.256	250 x 350 mm (10" x 14")
7804.257	300 x 350 mm (12" x 14")
7804.258	300 x 400 mm (12" x 16")
7804.260	400 x 500 mm (16" x 20")
7804.262	400 x 600 mm (16" x 24")
7804.267	450 x 550 mm (18" x 22")

CLEAR DISSIPATIVE TAPE

Clear Dissipative Tape used to seal shielding bags or boxes.

Generates low electrostatic charge and can be used in EPA.

Material: Cellulose based tape with rubber based adhesive.

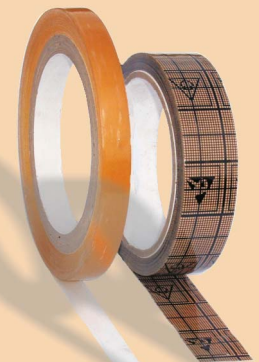
Rs: $10^9 - 10^{11} \Omega$

T1000: 2 sec at 25% rH



7807.183

7807.180	Clear Dissipative Tape 12mm x 66m
7807.181	Clear Dissipative Tape 24mm x 36m
7807.183	ESD (Rs: $10^5 - 10^8 \Omega$) Tape Dispenser for 25mm wide tapes with 75mm core.



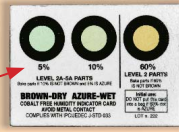
DRY PACK

Moisture absorbing desiccant bags

- 7914.002T Buste Tyvek gr.12 1/3U-DIN (100 pcs)
- 7914.005 Buste Tyvek gr.34 1U-DIN (300 pcs)

Humidity indicator card

- 7914.008 3 spot humidity indicator card 5-10-60% (500pcs)



J-STD-033 doesn't require vacuum for dry-pack. Light air evacuation may be used to reduce the packaging bulk and enhance carton packing. Full evacuation shall not be used as it will impede desiccant and HIC performance and possibly lead to MBB puncture.

VacuWeld heat sealers have digital adjustment of vacuum, controlled by an internal vacuum sensor.



MBB with Recommended Light Air Evacuation



MBB with Too Much (Full) Evacuation



VacuWeld >>> GO TO page 51

Esd moisture barrier bags (metal-in)

Excellent in EMI/RFI and static field shielding, these bags are water vapor proof and grease proof. Heat sealable, Moisture Barrier Bags are made from a multilayer metallized film.

MIL-B-81705C class1 TC1 SBM356

- Thickness: 85µm
- Film complying: MIL-B-81705C class1 TC1 SBM356
- Rs: < 1x10¹¹ Ω
- Electrostatic decay: < 0,1 sec
- EMI shielding (MIL 81705-C): 40dB / 1÷10 GHz
- Packaging of 100pcs

JEDEC-STD-033

- Thickness: 150µm
- Film complying: JEDEC-STD-033
- Rs: < 1x10¹¹ Ω
- Electrostatic decay: < 0,1 sec
- EMI shielding (MIL 81705-C): 40dB / 1÷10 GHz
- Packaging of 100pcs

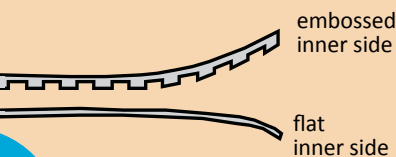
Opening on the short side (mm)	Thickness 85µm
100 x 660	7804.344
150 x 660	7804.347
200 x 250	7804.348
250 x 660	7804.350
400 x 400	7804.354
400 x 660	7804.353
450 x 450	7804.355
450 x 660	7804.356

Opening on the short side (mm)	Thickness 150µm
100 x 660	7804.344P
150 x 660	7804.347P
200 x 250	7804.348P
250 x 660	7804.350P
400 x 400	7804.354P
400 x 660	7804.353P
450 x 450	7804.355P
450 x 660	7804.356P

Not-esd moisture barrier bags

SACS BARRIERE GAUFRES (Packaging of 100pcs)

In external aspiration appliances textured bags are the best solution for an easy operation. One of the inner layer is made with small straight rails parallel to the lateral sides that facilitate the output of the air during the aspiration job.



Opening on the short side (mm)	Embossed 85µm	Flat 95 µm
	150 x 200	6604.004
150 x 300	6604.006	6603.925
200 x 300	6604.010	6603.928
250 x 350	6604.015	6603.932
250 x 600	6604.020	6603.936
300 x 400	6604.025	6603.940
400 x 600	6604.030	6603.945
200 x 6m Tubing	6604.052	-
300 x 6m Tubing	6604.054	-

HAND HELD CRIMPER SEALER

Model	7914.172	7914.175	7914.176	7914.177
Weldable material	polyethylene	cellophane, wax paper, aluminium or moisture barrier bags	cellophane, wax paper, aluminium or moisture barrier bags	cellophane, wax paper, aluminium or moisture barrier bags
Soldering length (mm)	150	150	300	400
Max. soldering thickness (mm)	2x0,15	2x0,15 Aluminium bag	2x0,15 Aluminium bag	2x0,15 Aluminium bag
Seal width (mm)	2	15	12	12
Power (W)	25	50	320	420
Weight (kg)	0,5	1	2,5	3,5
heating jaws	1	2	2	2
Finishing	flat	embossed	embossed	embossed
Temp. Adjustment	50-200°C	50-200°C	50-200°C	50-200°C



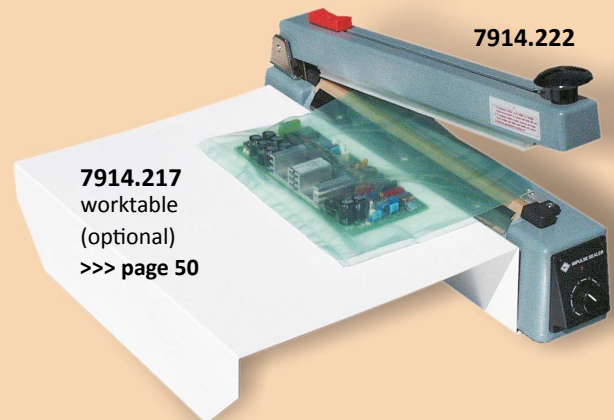
HAND SEALERS

The welding time is adjustable, to match the type and thickness of material. The models with cutting blade can be used to produce bags from tubing or to seal filled bags and to trim the exceeding material.

Seal width: 2mm

Max.Sealable Thickness: 2x0.125mm.

Model	With cutter blade	Sealing length (mm)	Power (Watts)	Weight (Kg)
7914.201		200	260	4
7914.211	x	200	260	4
7914.221		300	380	5
7914.222	x	300	380	5
7914.231		400	500	6
7914.232	x	400	500	6
7914.233	x	500	550	7



HAND SEALER (MEDICAL PACKAGING)

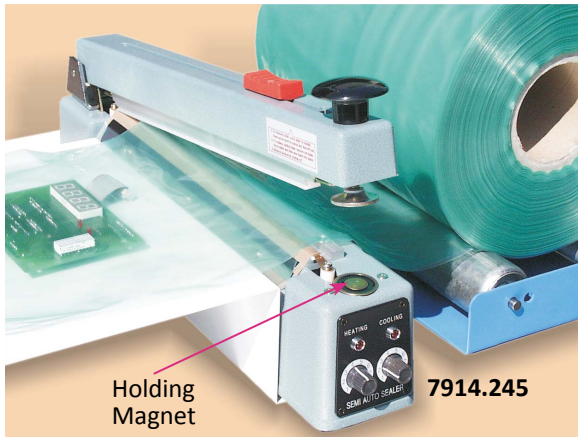


Recommended for the health care industry, creates water-tight seals on sterilisation rolls (paper-plastic) and sterilisation tubing (plastic-plastic) materials. The welding time is adjustable, to match the type and thickness of material, an audible beep advises when the seal is complete. Each seal has a deeply embossed texture.

- Soldering width: 10mm (according DIN58953)

- Max.Sealable Thickness: 2x0.2mm

	Model	Sealing length (mm)	Power (Watts)	Weight (Kg)
	7914.215	200	1000	6,5
	7914.216	stainless steel 300	1200	8



WITH HOLDING magnet and cutter

The machine operates quickly and efficiently with magnet hold, offering consistent secure sealing for every package. After the seal cycle the machine re-opens automatically.

- Adjustable welding and cooling time.
- Uniform set contact pressure.
- Welds all types of thermoplastic films.
- Easy and simple to operate.

Seal width: 5mm

Max seal thickness: 2x0.15mm

7914.245 Hand Sealer with holding magnet and Cutting Blade Max. seal length: 300mm
7914.246 Hand Sealer with holding magnet and Cutting Blade Max. seal length: 400mm

CODE ACCESSORIES FOR HAND SEALERS

7914.217 Worktable for sealing unit 200mm
7914.227 Worktable for sealing unit 300mm
7914.237 Worktable for sealing unit 400mm
7914.226 Holder for tubing roll, maximum width 310mm
7914.236 Holder for tubing roll, maximum width 510mm



DOUBLE AUTOMATIC HEAT SEALER

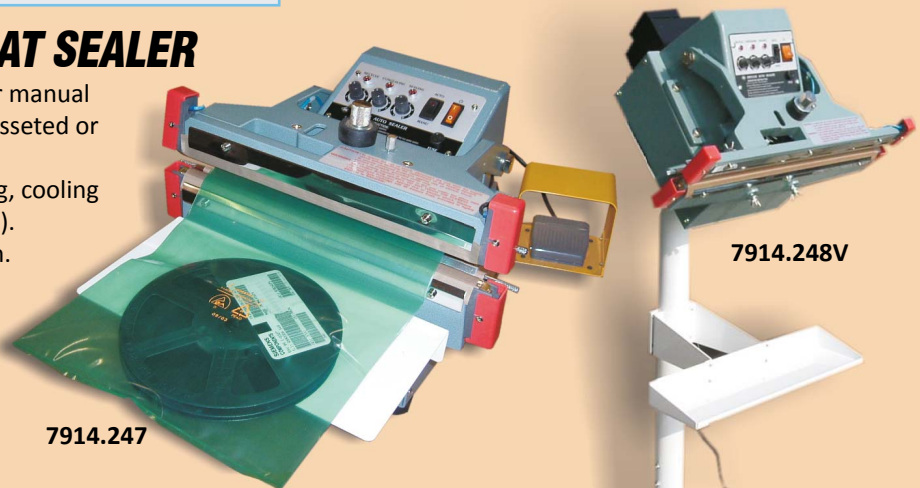
Heavy duty, single or double, automatic or manual impulse heat sealer. Seals up to 0.5mm gusseted or regular thermoplastic film.

Separate programmable timers (for sealing, cooling and recycle time when in automatic mode).

Foot switch included for manual operation.

Seal width: 10mm

Max. seal thickness: 2x0.15mm



7914.247 Automatic heat sealer 300mm (2000W - weight 22kg)
7914.247V Automatic heat sealer 300mm with floor support
7914.248 Automatic heat sealer 450mm (2500W - weight 24kg)
7914.248V Automatic heat sealer 450mm with floor support
7914.249 Automatic heat sealer 600mm (3000W - weight 26kg)
7914.249V Automatic heat sealer 600mm with floor support

AUTOMATIC HEAT SEALER WITH TEMPERATURE CONTROL

Heavy duty, constant temperature, magnet hold, automatic or manual impulse heat sealer. The machine is suitable for heavy bags like poly-cello films, aluminum foil or moisture barrier bags. Each seal has a deeply embossed texture.



Seal width: 15mm

Max. seal thickness: 2 x 0,25mm

Temperature range: 30 - 199°C

Sealing time: 0,2 - 2,5 sec

Recycle time (automatic mode): 1 - 8 sec

7914.163 Constant automatic heat sealer 200mm (350W - weight 15kg)
7914.165 Constant automatic heat sealer 400mm (520W - weight 19kg)
7914.166 Constant automatic heat sealer 600mm (600W - weight 22kg)

VACUUM PACKING MACHINES

VACUWELD - vacuum tank sealers for epa area

The VACUWELD machines have been designed to avoid electrostatic charges, for the use in ESD environments: stainless steel chamber, aluminium cover and conductive wheels. Digital adjustment of vacuum (Vacuum %), controlled by an internal vacuum sensor.

VACUWELD

Venturi pump (compressed air)

The use of a compressed air-driven vacuum pump, minimizes noise, vibration and heat generation.

Maximum vacuum level 90% (measured at the sea level)

Seal bar: 460 x 10mm

Useful chamber size: 500 x 600 x 100(H)mm

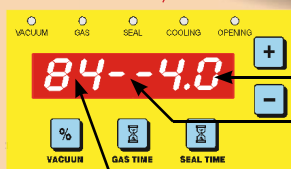
Air requirements: 6nl/s at 6 ATM

Power supply: 230V/50Hz 1kW

7914.275 Vacuum tank sealer



7914.275



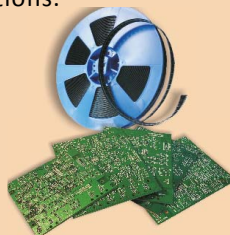
Seal Time

Inlet Gas Time (7914.279 only)

Vacuum %

NOTE: Compared to the adjustment of the suction time and the visual control, the adjustment of the vacuum percentage (Vacuum%), which can be set by all VacuWeld heat sealers, guarantees maximum repeatability and precision in packaging.

These are the values we recommend to avoid excessive pressure of the envelopes on the SMD and PCBs coils, which could cause breakage or dangerous deformations.



REEL
Suggested Vacuum: 75÷85%

PCBs
Suggested Vacuum: 70÷80%

The VacuWelds allow you to store up to 10 welding programs to quickly set the desired parameters.

VACUWELD - Oil pump

The use of an oil pump let the sealer to reach a high vacuum level.

Maximum vacuum level 98% (measured at the sea level)

Seal length: 450 x 5 mm

Vacuum pump: Oil bath, 20m³/h.

Chamber capacity: 450x500x90(H) mm

Power supply: 230V/50Hz 2kW

7914.278 Vacuum tank sealer

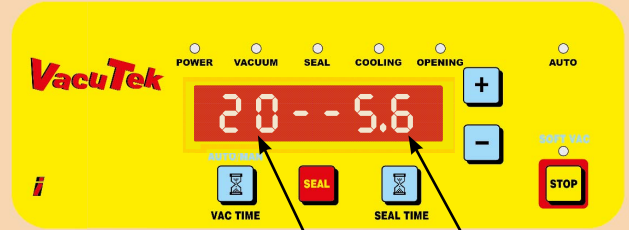
7914.279 Vacuum tank sealer, with inert gas injection



7914.279

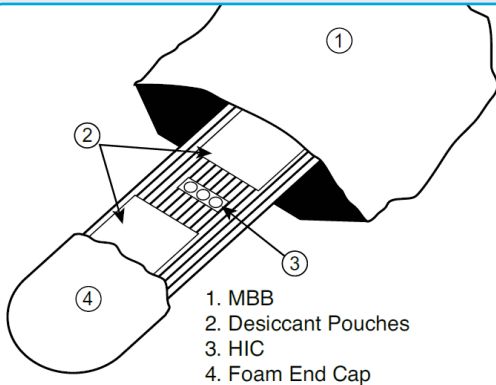
VACUTEK - External aspiration for EPA area

Vacuttek is an innovative external suction welding machine, an evolution of the previous model Vaculab which has been produced for over 10 years. With these economic and flexible machines is possible to package every length of bag. The unit is hand operated or motorized and the degree of vacuum is achieved by the operator's evaluation.



Seal Time
Vacuum Time

The vacuum (Vacuum Time) time can be preset or manually decide when to start the sealing cycle by pressing the SEAL button.

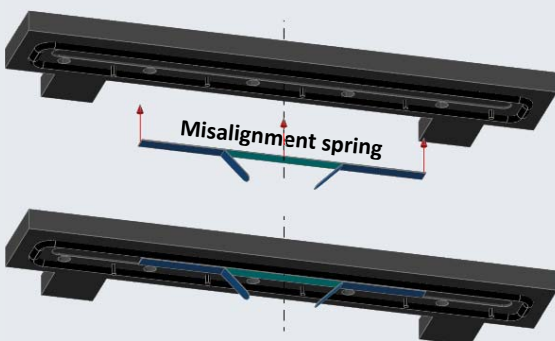


Extract from the standard J-STD-033D

J-STD-033D-3-1

Figure 3-1 Typical Dry-Pack Configuration for Moisture-Sensitive SMD Packages in Shipping Tubes

Unfortunately, the ESD barrier bags used in Electronics to make the Dry Pack of MSD components according to the Jedec J-STD-033D standard, are not available in the embossed type, ie with internal knurling, useful for air extraction. Therefore they normally require the use of vacuum chamber packaging machines (internal aspiration). For their use with with external aspiration vacuum packaging machines, the misalignment spring was developed. It's a magnetic anchoring tool, which must be inserted in the upper part of the welding bar as shown in the figure.



- 7914.340 Manual vacuum bag sealer, external aspiration.
- Motorized vacuum bag sealer, external aspiration,
- 7914.345 Foot pedal included.
- Upgrade from manual (7914.340) to motorized model (7914.341)

Technical features:

Seal length: 450 mm

Soldering jaws: 2 x 6mm

Vacuum pump: Dry , 5m³/h

Noise: <65dB

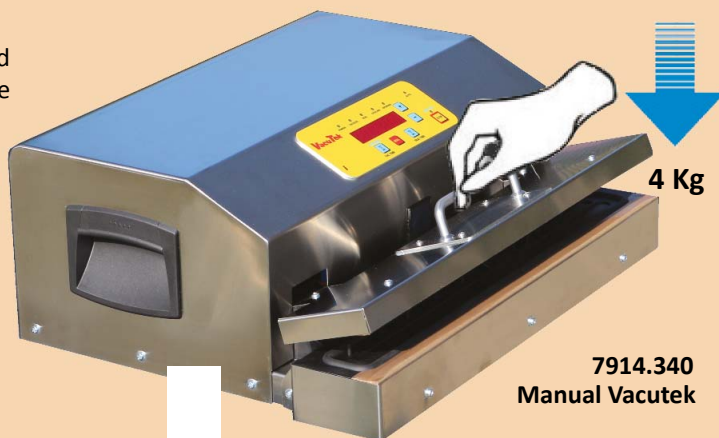
External dimensions: 490x390x220mm

Power supply: 230V/50Hz - 600W



Manual Vacutek

In the manual model (7914.340) the aspiration cycle is started by manually pushing down the handle on the upper jaw. Once the cycle has started, it is not necessary to continue pushing. The force to be applied on the handle to start the cycle is about 4Kg.



7914.340
Manual Vacutek



Do You Want to Upgrade?

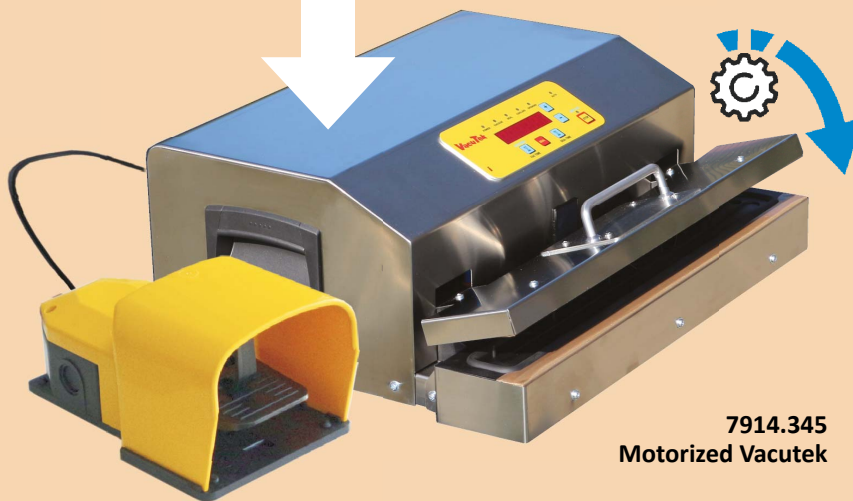
The model 7914.340 also allows the upgrade to the motorized version 7914.345 afterwards

Motorized Vacutek

In the motorized model (7914.345) the cycle is started by pressing the pedal, with the advantage of having your hands totally free.

No danger for the operator with the motorized model.

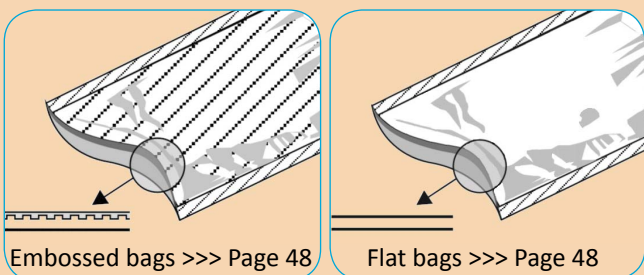
Unlike other motorized vacuum packing machines, the pressure exerted by the jaws moving is not sufficient to cause damage to the hands.



7914.345
Motorized Vacutek

THE ADVANTAGES OF VACUTEK ARE:

1) It is possible to use both flat and embossed bags

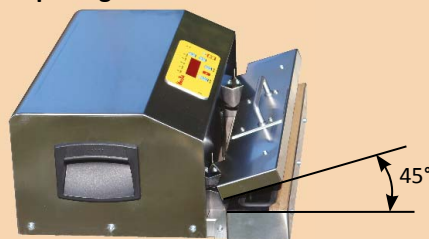


Embossed bags >>> Page 48

Flat bags >>> Page 48

Hook the misalignment spring when using the flat barrier bags, remove it with the embossed barrier bags.

2) Wide jaw opening



Excellent visibility when the mouth is open (the jaws open up to 45° in both Vacutek models). This allows the operator to insert the bag quickly and accurately.

3) It does not require air extraction nozzles.

Therefore:

- the manual work of inserting them in the bag is not required.
- does not require automatism for their insertion/extraction.



4) No maintenance

The vacuum pump is dry therefore it does not require any maintenance.

