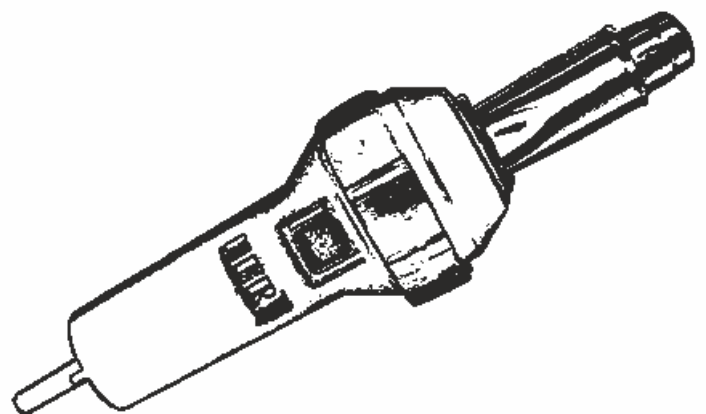


Civil Engineering





Rion



Rion Digital



Rion 120 Volt

Order No. 6600011 – push-fit
Order No. 6600044 – thread M10
Order No. 6600066 – thread M14

Rion 230 Volt

Order No. 6600075 - push-fit
Order No. 6600030 – thread M10
Order No. 6600029 – thread M14

Rion Digital 120 Volt

Order No. 6600084 - push-fit
Order No. 6600068 – thread M10
Order No. 6600085 – thread M14

Rion Digital 230 Volt

Order No. 6600070 - push-fit
Order No. 6600071 – thread M10
Order No. 6600072 – thread M14

Technical Data Rion / Rion Digital:

Voltage	V	120 or 230
Frequency	Hz	50/60
Power	W	1,600
Temperature	°C	20-650
Air Flow	l/min	250
Pressure Stat.	Pa	approx. 3,000
Noise	dB	64
Dimensions	mm	d. 100x340, handle
Weight	kg	1.3 with cable
Conformity Marking		CE
Protection Class II		

- ideal price-performance ratio
- stepless adjustable temperature
- fatigue-proof welding due to ergonomic form of the handle
- service-friendly
- highest quality
- huge range of accessories
- digital display of welding temperature (Rion Digital only)
- electronically controlled, constant welding temperature (Rion Digital only)

The hand-held device for welding thermoplastics for those working with liner sheets, tarpaulins, plastics or laying floors etc.

Eron



Ideal for:

- shrinking
- drying
- soldering
- heating
- activating
- bending

Stepless temperature adjustment up to 650°C.

High-performance with ergonomic handle, for the widest variety of applications, and extensive range of accessories such as nozzles, reflectors, etc.

2700 Watt / 120 Volt
Order No. 6600034

3400 Watt / 230 Volt
Order No. 6600004

Technical Data Eron:

Voltage	V	230 / 120
Frequency	Hz	50/60
Power	W	3400 / 2700
Temperature	°C	20-650
Air Flow	l/min	approx. 500
Pressure Stat.	Pa	approx. 3,000
Noise	dB	64
Dimensions	mm	d. 94x320, handle 64
Weight	kg	1.5 with cable
Conformity Marking		CE
Protection Class II		

Mion S - Mion 2



Mion - Mion S

The smallest and lightest compact device with incorporated control unit in the world.
The special hot wedge guarantees maximum welding performance due to optimal heat transfer.

- Welding machine according to WHG
- Fully matured drive technology designed to resist the greatest stress, built to smallest size
- Digital temperature, speed and operation hours display
- Electronically controlled temperature and drive
- Particularly suitable for working in tunnel and pond construction (e.g. fire ponds)

Recommended applications:

Mion S: incl. memory function of welding parameter pressure, temperature and speed for works according to DVS
Mion 2: for tunneling constructions, for civil engineering works and pond building

Technical Information

Mion S / Mion 2

Voltage	V	120 / 230
Heating power	W	1250
Frequency	Hz	50 / 60
Temperature	°C	20 - 430
Speed	m/min	0.8 - 3.5 / 0 - 5,5
Joining power	N	max. 1100
Material strength	mm	see table
Measurements (l x w x h)	mm	270 x 260 x 210
Weight	kg	6,9 with 5m cable
Welding seam width without inspection channel	mm	20 - 50
Seam measurement with test channel	mm	17 - 16 - 17
Overlapping	mm	max. 100
Conformity marking		CE
Protection class I		



Mion T -
special for works in tunneling constructions, for civil engineering works and pond building

Wedge length	Type of material	Material strength (guideline)
60 mm (available with and without test channel)	PE-HD, PE-C, PP PE-LD, PVC-P, PFA	0.5 - 3.0 mm (depending on the type of material)
Other wedge shapes upon request.		

Order Number:

Mion S 5280002
Mion 2 5280008



Comon - Comon S

Robust welding machine with incorporated control unit. The ceramic hot wedge guarantees maximum welding performance due to optimal heat transfer.

- Welding machine according to DVS (only Comon S)
- Fully matured drive technology designed to resist the greatest stress, built to smallest size
- Digital temperature and speed
- Electronically controlled temperature and drive
- With ceramic hot wedge as standard
- Wedge material: ceramic, copper, steel
- Machine memory can be read out via bluetooth (Comon S only)
- DVS-compatible welding-journal can be created and printed out by the included software (Comon S only)



Comon

Advantages of the ceramic hot wedge:

- The temperature distribution on the wedge surface is identical to the set temperature at all points. Given the special ceramic specification, the thermal penetration in the welded material is significantly more intensive than with a metal wedge. This in turn produces a higher welding speed and significantly higher welding quality than with conventional metal wedges.
- Weld all thermoplastics without changing wedges
- The wedge is self-cleaning and wear-free



Comon S

Technical Data

Voltage	V	230
Frequency	Hz	50/60
Power	kW	2.1
Temperature	°C	20–430
Speed	m/min	0.8–5.0
Joining strength	N	Max. 1400
Dimensions (L x W x H)	mm	460 x 300 x 330
Seam dimensions with test channel (other dimensions upon request)	mm	15-15-15
Weight	kg	14
Conformity marking		CE
Protection class I		

Comon and Comon S

- Wedge length: 80 mm
- Wedge material: Steel, copper or ceramic
- Material type: PE-LD, PE-HD, PE-C, PVC-P, PP, ECB, EVA and TPO
- Material thickness: 0,5 – 3,5mm (according type of material)

Order No.	Comon	6600002
	Comon S Ceramic	6600036



RECON



The welding machine for sealing sheets up to 5 mm thick.

This machine is equipped with a printer and memory card.

There are two controllers available for the RECON:

- A manual controller (Recon)
- A controller with data recording (Recon S)

technical data:

mains voltage

230 VAC or 115 VAC 50 – 60 Hz

heating power

The control works from 100 – 260 VAC 50 – 60 Hz

contact force

1600 W

welding speed

stepless 0.100 N to 2000 N adjustable (100% overload safe)

mechanical dimensions:

l / h / w

470 mm / 450 mm/ 320 mm

weight

36 kg

geometry of hot wedge and rolls:

control channel

18,00 mm

Order number: 5110270 Recon
5112410 Recon S
5112411 Printer
5112412 Cable reel
5112413 Transport box
5112414 Control box

Roofon



Automatic hot-air welding machine for tacking the membranes at the site.

Thanks to easy to loosen drive gear, circular weldings are no longer a problem.

Order number: 5230050

Technical data

Voltage	230 V
Frequency	50/60 Hz
Output	3500 W
Speed	0.5 - 12 m/min
Temperature	20 - 600 °C
Air volume max. (20 °C)	500 l/min
Emission level LpA	50 dB
Dimensions (l x w x h)	460 x 360 x 310mm
Weight	14 kg with 5m cable
Conformity mark	CE

Roofon

Also available in 120V



Pressing roll 28 mm (silicone)
Order No. 5106977



Pressing roll 40 mm ball bearing
one armed (silicon)
Order no. 5106975



Pressing roll 80 mm (silicon)
Order no. 5106974



Pressing roll ball bearing (brass)
Order No. 5106972



Pressing roll 28 mm (PTFE)
Order No. 5106976



Pressing roll 40 mm (PTFE)
Order No. 5106971



Edge trimmer for plastic sealing sheets
Order No. 5201445



Sharpener for edge trimmer
Order No. 5201446



Wide slot nozzle 20 mm slide on
foot at an angle
Order No. 5105487



Angle nozzle 20 mm
60° slide on
Order no. 5107125



Wide slot nozzle 40 mm
slide on
Order No. 5107132



Wide slot nozzle 60 mm
slide on for elastomer bitumen
Order No. 5107129



Wide slot nozzle 30 x 2 mm
15° angled, slide-on
Order No. 5105494



Wide slot nozzle 20 mm
slide on
Order no. 5107123



Angle nozzle 20 mm
90° slide on
Order no. 5107124



Wide slot nozzle 40mm
among side punched,
slide on
Order No. 5107133



Wide slot nozzle 80 mm
slide on
for elastomer bitumen
Order No. 5107131

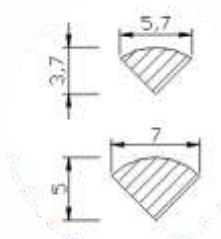
Nozzles for hot air bellows



Wide slot nozzle 70 x 10 mm
slide on
Order no. 5107258



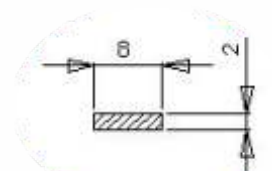
Wide slot nozzle 75 x 2 mm
slide on (with device holder)
Order no. 5107266



Profile welding rod, continuous,
made of HD-PE (black, white,
natural colour)



Round wire, continuous, 3, 4 or 5 mm,
made from HD-PE (black), HD-PE
Dowlex (black)



Sealing strip 8 mm, HD-PE (white)



Special drawing nozzle Ø 3 mm
for highly fluorinated plastics with M14 thread
(e.g. PFA, ECTFE)
Order No. 5201017



Tube nozzle Ø 5 mm push-fit for Rion
Order No. 5100303



Tack drawing nozzle with M14 thread
Order No. 5106988



Strip welding nozzle 8 mm, push-fit for tube
nozzle 5 mm
Order No. 5107137



Tube nozzle Ø 5 mm with M14 thread
Order No. 5105622



Tack nozzle, push-on type for tube nozzle
Ø 5 mm
Order No. 5106996



Speed welding nozzle for round wire,
M14 thread with tack nose
Ø 3 mm Order No. 5113666
Ø 4 mm Order No. 5113399
Ø 5 mm Order No. 5113873



Tack nozzle, push-on type for Ø 5 mm
tube nozzle
Order No. 106.996



Speed welding nozzle for round wire,
M14 thread without tack nose
Ø 3 mm Order No. 5113876
Ø 4 mm Order No. 5113874
Ø 5 mm Order No. 5113875



Speed welding nozzle, push-on type
for Ø 5 mm tube nozzle
▽ 5.7 x 3.7 mm Order No. 5106992
▽ 7 x 5 mm Order No. 5106993



Speed welding nozzle for profiled wire,
M14 thread with tack nose
▽ 5.7 x 3.7 mm Order No. 5113670
▽ 7 x 5 mm Order No. 5113671



Speed welding nozzle, push-on type
for Ø 5 mm tube nozzle
Ø 3 mm Order No. 5106989
Ø 4 mm Order No. 5106990
Ø 5 mm Order No. 5106991



Speed welding nozzle for profiled wire,
M14 thread without tack nose
▽ 5.7 x 3.7 mm Order No. 5113877
▽ 7 x 5 mm Order No. 5106986



Adapter angle for quick welding nozzle,
25° angle, M14
Order No. 5201020



Adapter with M10 or M14 thread
for Rion
Order No. 5201013 (M10 thread)
Order No. 5201014 (M14 thread)



Adapter angle for quick welding nozzle,
45° angle, M14
Order No. 5201021



Adapter with M14 to M10 thread
Order No. 5201015



Brass brush for quick welding nozzles
Order No. 5201300



Digital thermometer

For checking the hot gas and hot wedge temperature and the temperature of the welding filler; stipulated pursuant to DVS guideline 2207-4.
Order No. 5200200

Accessories:

Insertion probe
 (1.5 mm; length 130 mm)
Order No.: 5200199

Surface probe Ø 15 mm
Order No.: 5200198

Technical Data	GTH 1100
Measuring range	-50 to +1150°C
Measuring accuracy	1°C
Display	13 mm high LCD
Power supply	9 Volt
Weight	Approx. 200g



Sheet puller
Order No.: XDX071



Thickness measuring device

- Measurement of material thickness for pipes, foils and plastic sealing sheet

Order No.: 5200172



Welding rod reel, single

The apparatus takes a reel of welding rod weighting up to 3 kg; very well-suited for transportation. (delivery without welding rod)
Order No. 5118190



The **handheld heating strip of the HL model series** is particularly well suited to use on construction sites for heating large areas of PP and PE sealing sheet

Technical Data:

		HL 100	HL 150	HL 200
Working width	mm	1000	1500	2000
Connection power	kW	0.7	1.0	1.1
Connection voltage	V	230	230	230
Weight	kg	7	9	11



Handy tension testing device

- Peeling / tensile testing of weld seams
- Enables ideal setting of the welding machine

Order No.: 5200171

Teston Mini Digital

The **Teston Mini Digital** tensile testing device is a small, compact testing devices for examining seams on construction sites or in the workshop using peel, shear and tensile tests.

Technical Data:

Dimensions (mm) (L/W/H)
Weight (kg)
Voltage (V)
Frequency (Hz)
Test speed (mm/min)
Travel (mm)

Teston Mini Digital

1120 x 80 x 186
10
90–264
50/60
10 – 100 mm/min (10 : 20 : 50 : 100 predefined)
500

Order No.: 5113058



Weld test die

The weld test die can be used to punch out test pieces up to a thickness of 6 mm.
The test pieces are dimensioned in accordance with DVS 2225 Part 4.

Order No. 5200275

PST100 - Set



Spark Tester Apparatus PST100

- Fast and safe density testing of welding seams, containers or manufactured coatings
- Non-contact spark generation
- Maintenance free
- Integrated stabilisation switch
- Independent operation in case of mains voltage fluctuations

Order No.:

5200228 Spark testing devise with bar electrode

5200229 Spark testing devise as complete set in a case

		PST100
Voltage	V	230
Frequency	Hz	50 – 60
Power	W	30
Output Voltage	KV	5 – 55
Output Frequency	KHz	100
Weight	kg	1,0
Marking		CE

DLP- 10 compressed air testing device

- Quick and uncomplicated testing of weld seams with inspection channel
- Comes complete with tongs, manometer, lever tap, connection for recording device and compressed air connection
- Optionally available for accuracy class 1.0

Order No.: 5201650



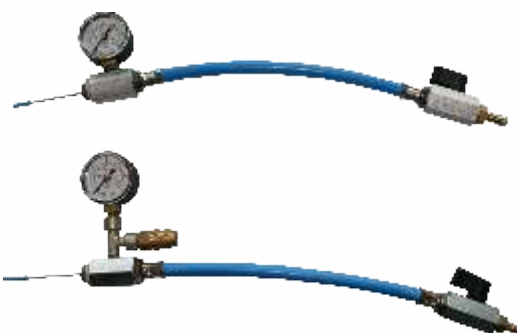
Test needle stabil version Order No.: DX073

Compressed air testing device with probe needle

- Quick on-site testing of weld seams on plastic sealing sheets
- Optionally available for accuracy class 1.0.

**Pictured right at top:
Order No. 5201700**

**Pictured right at bottom:
with connection for recording device
Order No. 5201705**

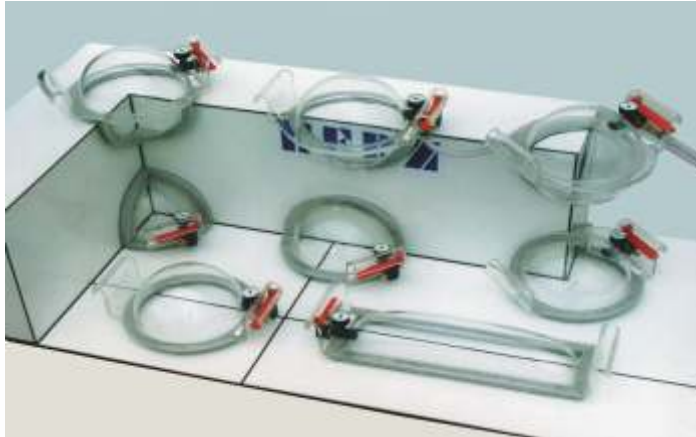


**Order No. 5201706 - accuracy class 1 and
calibration certificate**

The vacuum seam testing systems are suitable for testing any container surfaces and seals. The particularly elastic seal design allows you to test surfaces perpendicular to one another, even with slight angle deviations. A fabric-reinforced PVC hose is available as the connector piece between vacuum pump and test bell.

Order No. PVC hose: 5200340

All test bells are also available in accuracy class 1.0 according to DVS 2225-4.



Special test bells upon request.



700x220 mm long
Order No.: 5200300



360 mm round
Order No.: 5200305

Picolino vacuum pump

- For operation of the test bells
- Pumping speed with free intake 8 m³/h
- Complete with carriage, circuit breaker, 2m power cable with plug

Order No.: 5226100



Picolino Technical Data

Electrical connection	V	230
Power	kW	0.35
Air output	l/min	133
Static pressure	bar	0.15
Negative pressure ./. 0.85		90% vacuum
Weight	kg	11.5
Air connection		Bayonet coupling
Dimensions	mm	230 x 150 x 250