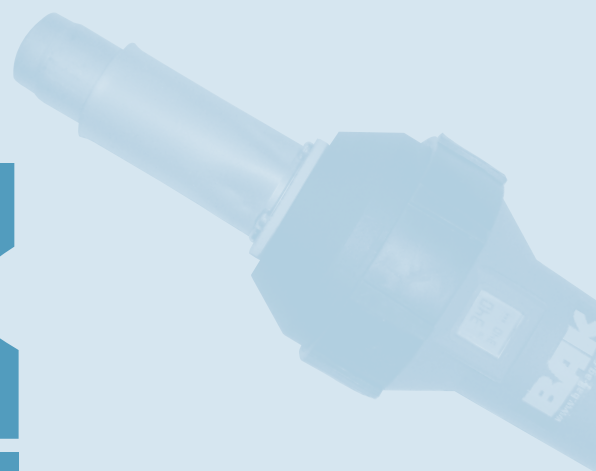
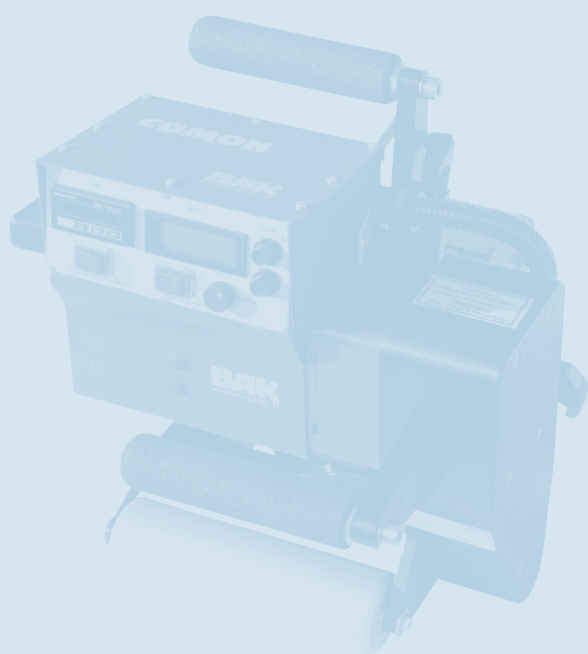


HEAT ON

Plastic welding machines



BAK

www.bak-ag.com



BAK Thermoplastic
Welding Technology AG

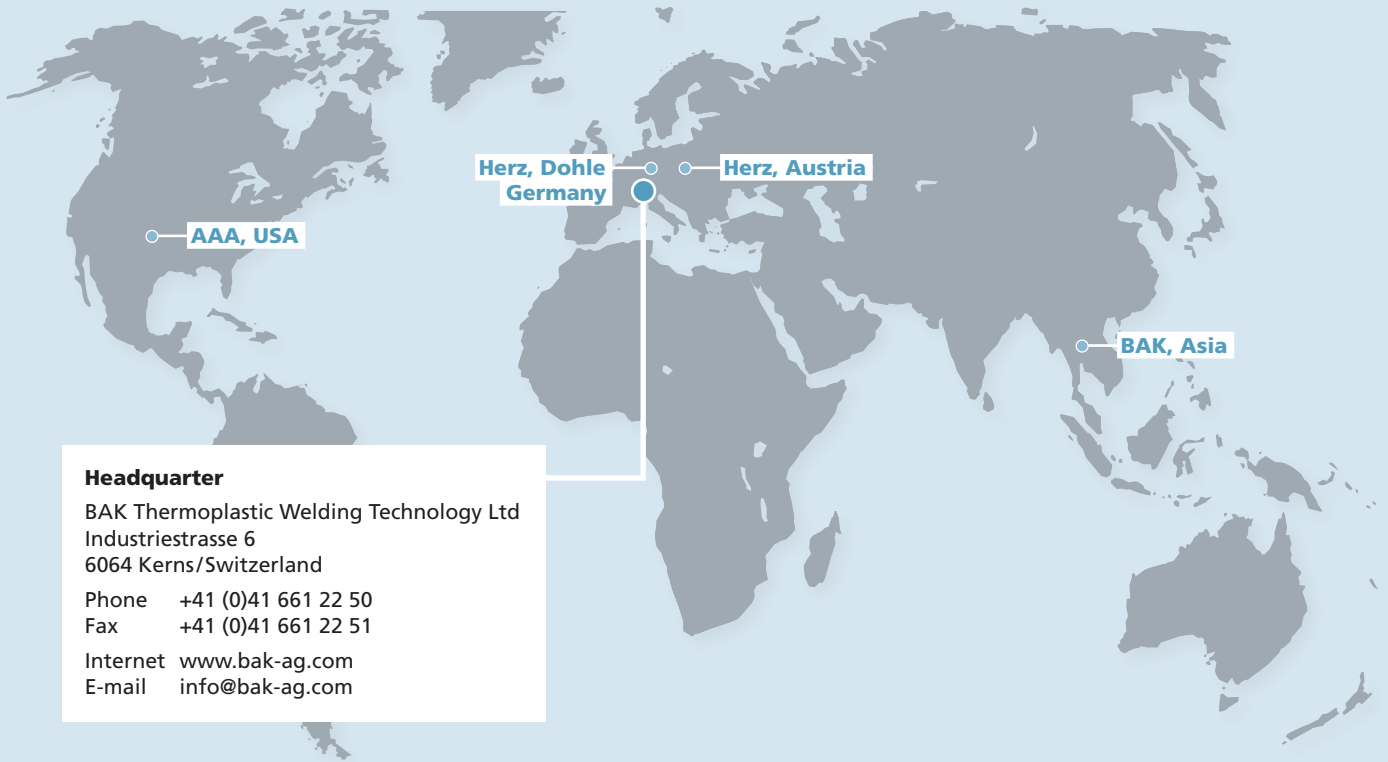
Industriestrasse 6
6064 Kerns / Switzerland

E-Mail info@bak-ag.com

Telefon +41 (0)41 661 22 50

Fax +41 (0)41 661 22 51

HEAT ON



BAK is one of the leading manufacturer of plastic welding equipments, Extruders, Heaters and Blowers. We are the solution for Plastic Fabrication, Print- and Packaging, Pipe construction, Roofing, Civil Engineering, Tunneling, Process Heat, Tarpaulins, Flooring and much more. BAK is a Swiss based company with its own production-, development and warehouse facilities in Switzerland and Germany.

We are offering a wide range of machines and accessories:

- Hot air tools (hand held)
- Wedge welding machines
- Hand extrusion welders
- Industrial heaters
- Heating- & Folding machines
- Hot air welding machines
- Hot air blowers
- Industrial extruders
- Industrial blowers
- Test equipment

Asia Office

BAK Asia Co.,Ltd.
8/1 Ratchaphruek
Bang Yi Ruea, Thon Buri
Bangkok 10600, Thailand
Tel./Fax + 66 24724480
info@bak-asia.com
www.bak-asia.com

USA

AAA American Plastic Welding
405-B Milton Street
USA-Hewitt - TX 76643
Phone (254) 666-0551/0556
Toll free 1-888-666-0551
Fax (254) 666-0588USA
info@americanpwt.com
www.americanpwt.com

Deutschland

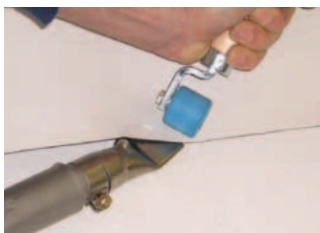
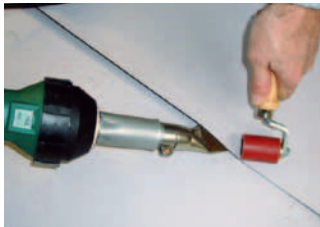
Dohle Extrusionstechnik GmbH
Eitorfer Strasse 1
D-53809 Ruppichteroth
Phone +49 (0)2295 - 902960
Fax +49 (0)2295 - 902961
info@dohle-extruder.de
www.dohle-extruder.de

Hot air welding gun

RION, RION DIGITAL

Economic,
fail-safe,
precise

- optimal performance / best price
- digital read out of set and actual temperature (RiOn Digital)
- stepless adjustment of electronic controlled temperature
- easy welding with ergonomic handle
- maintenance friendly
- high quality
- large accessories range



The hand gun with or without digital read out to weld all different types of thermoplastic materials, for roofing, flooring, tarps, plastic fabrication, etc.

Technical data		RiON Digital, RiON
Voltage	V	120 or 230
Frequency	Hz	50/60
Power consumption	W	1600
Temperature	°C	20–650
Air flow	l/min	approx. 250
Static pressure	Pa	approx. 3000
Noise level	dB	64
Size	mm	340x100, handle 56
Weight	kg	1,3 with cord
Markings		CE

MARON

Small, powerful, flexible

- temperature stepless adjustable
- adapter tube with heat protection
- for push fit or screw on nozzles
- air supply with blower type HD 140 or SorOn
- connected with blower SorOn for external application



The small welding tool for external air supply with high performance. With heater tube for push fit or screw on nozzles.

Technical data MarOn

Voltage	V	230/120
Frequency	Hz	50/60
Power consumption	W	1600
Temperature	°C	20–650
Min. air flow (20°C)	l/min	40
Size (l x Ø)	mm	300x62, handle Ø 46
Weight	kg	1,2 with cord and hose
Markings		CE

Technical data MarOn, connected with SorOn

Voltage	V	230/120
Frequency	Hz	50/60
Power consumption	W	1700
Temperature	°C	20–650
Air flow	l/min	max. ca. 300
Static pressure	Pa	ca. 3000
Weight	kg	2,5
Markings		CE

Hot air welding tool

WELDON

Small, handy, precise

- digital read out of set and actual temperature
- stepless adjustment of electronic controlled temperature
- fatigue-proof welding thanks to ergonomic handle and rotating air hose
- cooled heater tube
- nozzle position 360° adjustable
- large accessories range



The small hand tool for welding of thermoplastic materials for plastic fabricators. Air supply with external blower (BAK-Air Station) or compressed air.

Technical data

Voltage	V	230/120
Frequency	Hz	50/60
Power consumption	W	1000/600
Temperature	°C	20-600
Air flow	l/min	min. 40
Pressure	bar	max. 1
Size	mm	295 x 62
Weight	kg	0,75 with 3 m cord, air hose and Y-connection
Markings		CE

SORON, AIR STATION

Mobile,
light,
strong

- small, but powerful
- compact
- for external air supply
- handy
- low noise



SorON

Air Station N80



The small blowers with high power for air supply on the welding tools MarOn or WeldOn.

Technical data		SorON	Air Station N80	Air Station N200
Voltage	V	120/230	230	230
Frequency	Hz	50/60	50/60	50/60
Power consumption	W	100	86	215
Air flow (20°C)	l/min	400	80	200
Static pressure	Pa	4000		
Air outlet (outside)	mm	14,5	14,5	14,5
Size (l x Ø)	mm	260x94 Handle Ø 64	305x214x188	475x212x332
Weight	kg	1,2 with 3 m cord	6	12,3
Markings		CE	CE	CE

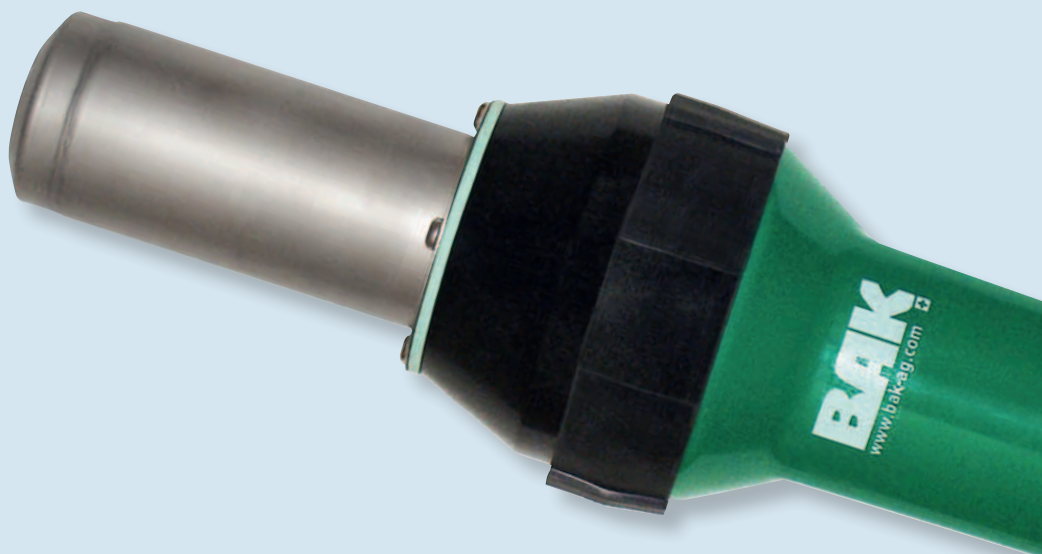
Hot air blower

ERON

Powerful, ergonomic, flexible

Perfect for:

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



Stepless temperature adjustment up to 650°C. Powerful with ergonomic handle, for different applications and with a complete line of accessories like nozzles, reflectors, etc.

Technical data

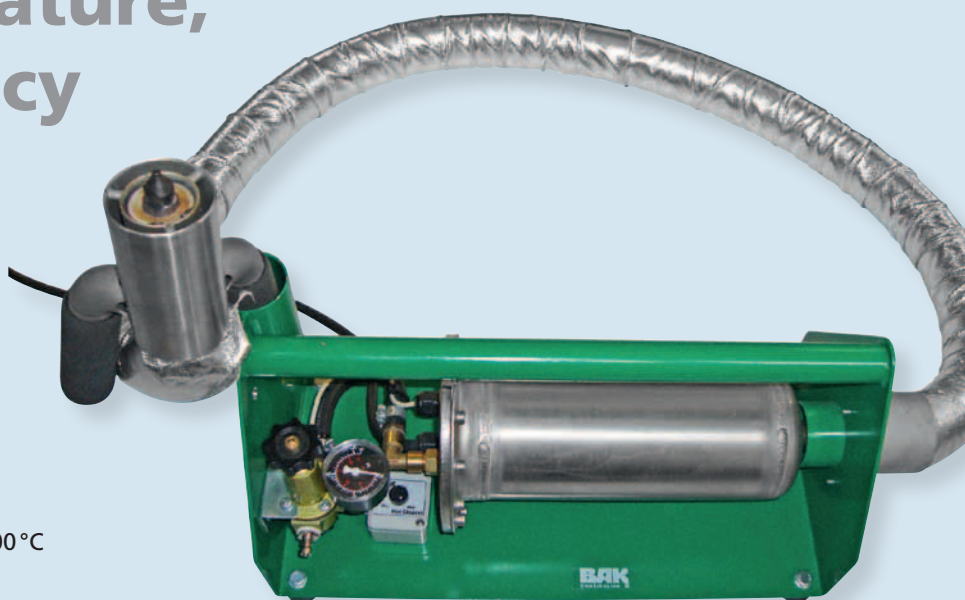
Voltage	V	230
Frequency	Hz	50/60
Power consumption	W	2300/3400
Temperature	°C	20–650
Air flow	l/min	approx. 500
Static pressure	Pa	approx. 3000
Noise level	dB	64
Size	mm	320x94, handle 64
Weight	kg	1,5 with cord
Markings		CE

High pressure hot air tool

HOT CLEANER

High pressure,
high temperature,
high efficiency

- to heat compressed air up to 10 bar
- to clean hot runners and nozzles
- for deflashing
- stepless adjustable temperature up to 500°C
- revolving hot air head



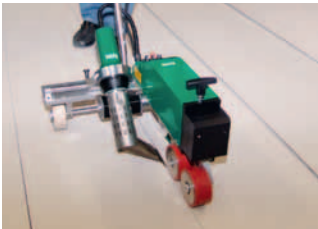
The first high pressure hot air device to clean hot runners and nozzles.

Technical data

Voltage	V	230
Frequency	Hz	50/60
Power consumption	W	3300
Temperature	°C	20-500
Max. pressure	bar	10
Min. air flow	l/min	300
Weight	kg	7,5
Protection class I		⊕

Robust, efficient, low-priced

- pivoting guide bar
- perfectly balanced
- wrinkle-free welding
- easy maintenance because of standard components
- digital display showing temperature and speed
- automatic drive start system
- designed for the most demanding job sites
- for welding of roofing membranes and tarpaulins
- high speed production



Wrinkle-free welding because of optimal design and balance. Economic and user friendly, high welding speed and field tested.

Technical data

Voltage	V	230/400
Frequency	Hz	50/60
Power consumption	W	4600/5700
Temperature	°C	20–620
Speed	m/min	max. 7
Size (l x w x h)	mm	620x400x320
Weight	kg	35
Markings		CE

Hot air welding machine

TARPON-ROOF

Compact,
handy,
innovative

- for welding of roofing membranes
- digital display showing speed, temperature and air flow
- automatic drive start system
- light weight and handy
- wrinkle-free welding
- seam width up to 40 mm



Low weight but still perfect seam quality.
Available for 30 or 40 mm seam width.

Technical data

Voltage	V	230
Frequency	Hz	50/60
Power consumption	W	2300/2900
Temperature	°C	20–620
Speed	m/min	0,5–12
Air flow max. (20°C)	l/min	500
Air flow	%	50–100 variable
Noise level	dB	50
Size (l x w x h)	mm	410 x 260 x 200
Weight	kg	11,5 with 5 m cord
Protection class I		⊕

Available on request
with 120 V.

ROOFON

Compact,
user-friendly,
save

- for welding of thermoplastic roofing membranes
- stepless adjustment of speed, air flow and temperature with potentiometer
- automatic drive start system
- fail-proof
- wrinkle-free welding
- seam width 40 mm



Low weight but still perfect seam quality.
Wrinkle-free welding, seam width 40 mm.

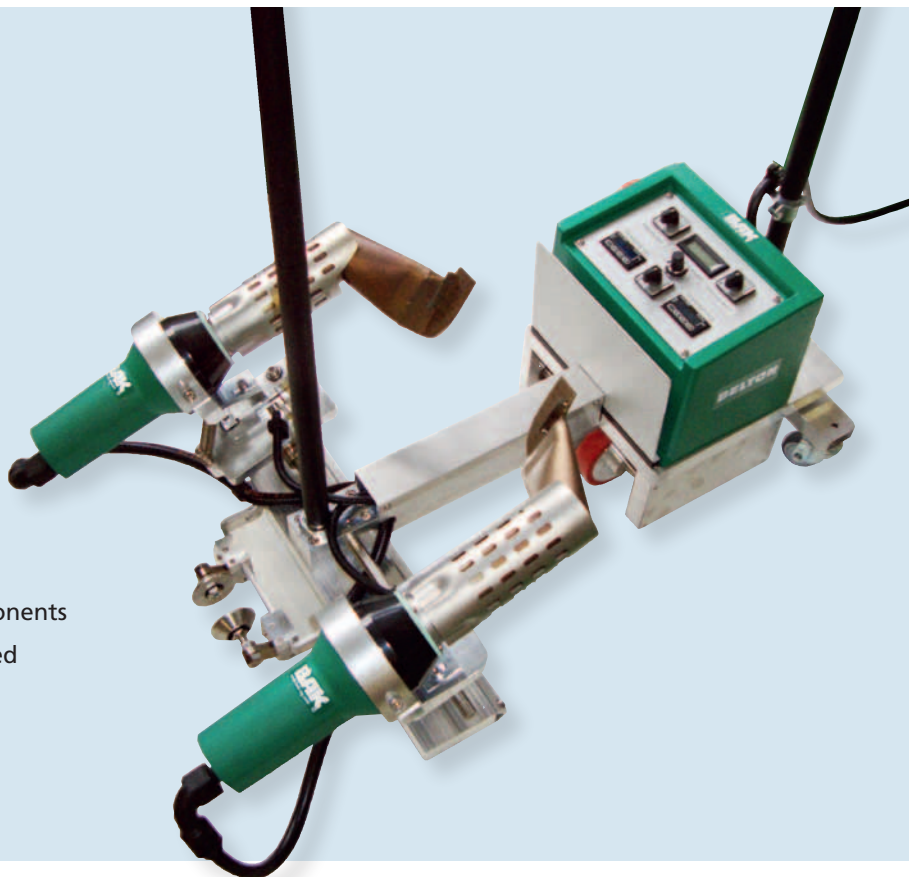
Technical data

Voltage	V	230/120
Frequency	Hz	50/60
Power consumption	W	3400/2900
Temperature	°C	20-600
Speed	m/min	0,5-12
Air flow max. (20°C)	l/min	500
Air flow	%	50-100 stepless
Noise level LpA	dB	50
Size (l x w x h)	mm	450 x 330 x 220
Weight	kg	15 with 5 m cord
Protection class I		⊕

BELTON P

**Fast,
robust,
ingenious**

- two welding seams in one operation
- high welding performance
- easy maintenance because of standard components
- digital display showing temperature and speed
- automatic drive start system
- designed for the most demanding job sites
- for welding of thermoplastic profiles



For welding of thermoplastic profiles in one operation. Economic and user friendly, high welding speed and field tested.

Technical data

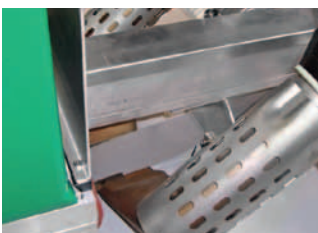
Voltage	V	400
Frequency	Hz	50/60
Power consumption	W	6400
Temperature	°C	20-620
Speed	m/min	max. 24
Size (l x w x h)	mm	900 x 530 x 340
Weight	kg	39
Markings		CE

Tape automatic welding machine

BELTON T

Universal,
powerful,
high speed

- for welding of thermoplastic tapes
- high welding performance
- easy maintenance because of standard controllers
- digital display showing temperature and speed
- automatic drive start system
- easy to convert to different tape widths



For welding of tapes, curtain tapes and tarpaulin bows on truck covers.

Economic and user friendly thanks to the high welding speed and simple design.

Technical data

Voltage	V	400
Frequency	Hz	50/60
Power consumption	W	6400
Temperature	°C	20–620
Speed	m/min	max. 24
Tape width	mm	50–150
Size (l x w x h)	mm	900 x 530 x 340
Weight	kg	39
Markings		CE

PLANON-BAND

Clever,
inexpensive,
efficient



- for welding of thermoplastic tapes
- approved and robust technology
- automatic drive start system
- economic and user-friendly
- stepless adjustment of speed and temperature with potentiometer



For welding of tapes, curtain tapes and tarpaulin bows on truck covers. Available for 40 or 50 mm width tapes.



Technical data

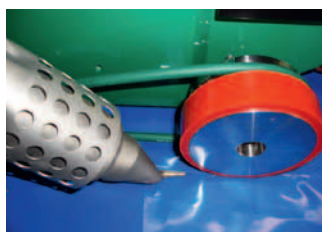
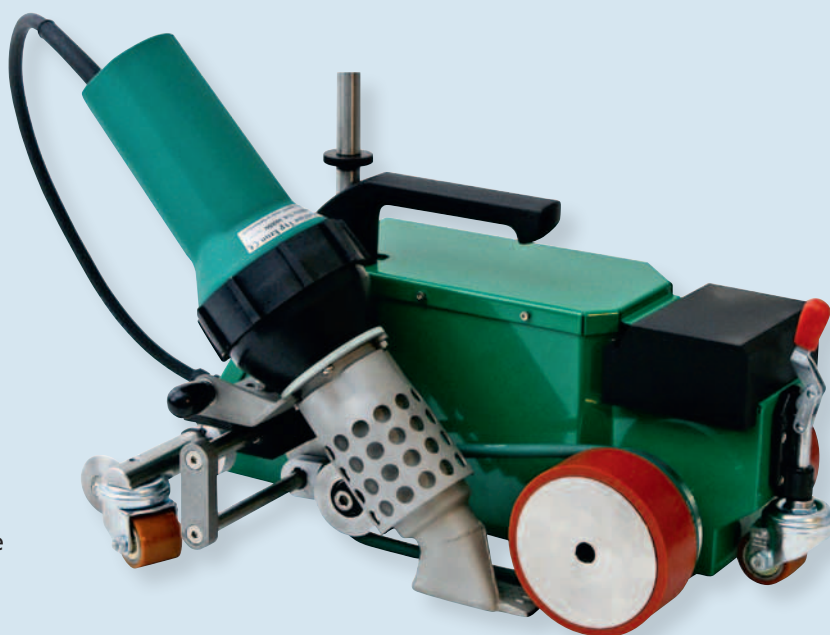
Voltage	V	230
Frequency	Hz	50/60
Power consumption	W	3700
Temperature	°C	20–600
Speed	m/min	0,5–12
Air flow max. (20°C)	l/min	500
Air flow	%	50–100 stepless
Noise level LpA	dB	50
Size (l x w x h)	mm	460 x 360 x 640
Weight	kg	18 with 5 m cord
Protection class I		⊕
Markings		CE



PLANON

Simple,
robust,
low-priced

- for welding of coated fabrics, foils billboards, banners and tarps
- robust and mature technology
- automatic drive start system
- high welding speed
- economic and user friendly
- adjustment of welding speed and temperature with potentiometer



Simple to operate and because robust design fail – safe. Available for 20, 30 or 40 mm width welding seam.

Technical data

Voltage	V	230/120
Frequency	Hz	50/60
Power consumption	W	3400/2900
Temperature	°C	20–600
Speed	m/min	0,5–12
Air flow max. (20 °C)	l/min	500
Air flow	%	50–100 variable
Noise level	dB	50
Size (l x w x h)	mm	460 x 360 x 310
Weight	kg	14 with 5 m cord
Markings		CE
Protection class I		⊕

TARPON

Compact,
handy,
innovative

- for welding of coated fabrics, foils and tarps
- digital display showing speed, temperature and air flow
- automatic drive start system
- high welding speed
- wrinkle-free welding
- new design and new technology



Due to more air flow higher welding speed.
Available for 20, 30 or 40 mm width welding seam.

Technical data

Voltage	V	230
Frequency	Hz	50/60
Power consumption	W	2300/2900
Temperature	°C	20-620
Speed	m/min	0,5-12
Air flow max. (20°C)	l/min	500
Air flow	%	50-100 variable
Noise level	dB	50
Size (l x w x h)	mm	410 x 260 x 200
Weight	kg	11,5 with 5 m cord
Protection class I		⊕

Available on request
with 120 V.

FLOORON

Easy,
fast,
safe

- for welding thermoplastic floors and linoleum
- digital display showing speed, temperature and air flow
- automatic drive start system
- optical wall switch with backlash make sure the machine stops at the wall and the floor is not burned
- integrated deroller system



optical wall switch with backlash

Due to more air flow higher welding speed. Optical wall switch with backlash make sure the machine stops at the wall.

Technical data

Voltage	V	230
Frequency	Hz	50/60
Power consumption	W	2300/2900
Temperature	°C	20–620
Speed	m/min	0,5– 12
Air flow max. (20°C)	l/min	500
Air flow	%	50– 100 variable
Noise level	dB	50
Size (l x w x h)	mm	410 x 260 x 240
Weight	kg	11,5 with 5 m cord
Protection class I		⊕

Available on request with 120 V.

SOLON

Superior,
fast,
reliable

- for welding of thermoplastic floors and linoleum
- stepless adjustment of speed, air flow and temperature with potentiometer
- automatic drive start system
- optical wall switch with backlash make sure the machine stops at the wall and the floor is not burned
- integrated deroller system



Due to a high air flow the SolOn has a very strong welding capacity. User-friendly because of approved and safe technology.

Technical data

Voltage	V	230/120
Frequency	Hz	50/60
Power consumption	W	3400/2900
Temperature	°C	20–600
Speed	m/min	0,5–12
Air flow max. (20°C)	l/min	500
Air flow	%	50–100 stepless
Noise level LpA	dB	50
Size (l x w x h)	mm	460 x 360 x 500
Weight	kg	16 with 5 m cord
Protection class I		⊕

ROTON

Handy,
precise,
reliable

- cuts welding grooves into all different types of floor coverings
- enables cut grooves along the walls
- integrated dust exhaust fan
- two levels of cutting speed
- three-point rest during milling to even unevenness
- adjustable guide roller enables milling of nap covers
- simple changing of cutting blade



The reliable grooving machine to cut welding grooves into all different types of floor coverings without dust.

Technical data

Voltage	V	230/120
Frequency	Hz	50/60
Power consumption level 1	W	350
Power consumption level 2	W	700
Speed level 1	U/min	14800
Speed level 2	U/min	18500
Noise level LpA	dB	78
Groove depth adjustment	mm	0-4, stepless
Size (l x w x h)	mm	210 x 210 x 262
Weight	kg	4,8 with 3 m cord
Markings		CE

COMON

Durable, efficient, low-priced

- optimal performance/best price
- high welding capacity, speed and quality
- field tested electronics, service friendly
- maintenance-free servo drive motor
- stepless adjustment of pressure, speed, and temperature
- stable, lightweight and compact design
- material welding range: PE-LD, PE-HD, PE-C, PVC-P, PP, ECB, EVA, TPO



Simple, reliable operation combined with the maintenance-free servo motor and field tested electronics. The Comon is designed for the most demanding jobsites.

Technical Data

Voltage	V	230
Frequency	Hz	50/60
Power consumption	W	1700
Temperature	°C	20–460
Speed	m/min	0,8–5,0
Welding pressure	N	max. 1400
Size (l x w x h)	mm	460 x 300 x 330
Seam dimensions (other sizes on request)	mm	15–15–15
Weight	kg	14
Markings		CE

MION

Compact, lightweight, high speed

- small and light but with very high welding performance
- perfect for thin material and overhead welding
- powerful drive system
- patented high tech ceramic wedge
- stepless adjustment of all welding parameter
- user friendly operation
- material welding range: PE-LD, PE-HD, PE-C, PVC-P, PP, ECB, EVA, TPO



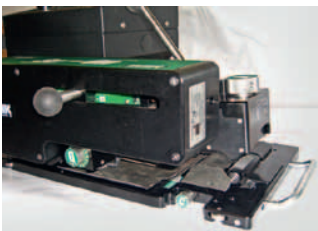
The smallest and lightest compact wedge welder in the world. Ceramic wedge for welding all different material types without changing the wedge.

Technical Data

Voltage	V	120/230
Frequency	Hz	50/60
Power consumption	W	1300
Temperature	°C	20-500
Speed	m/min	0,8-3,5
Welding pressure	N	max. 1100
Size (l x w x h)	mm	210 x 210 x 210
Seam dimensions (other sizes on request)	mm	15-15-15
Weight	kg	5,6 with 5 m cord
Markings		CE

Fast, efficient, quiet

- for welding of thermoplastic tarpaulins, billboards and banners
- high production because of higher welding speed
- welds thin material perfectly
- welding parameters can be saved
- optimal heat transmission with new ceramic wedge
- latest technology



Due to new wedge design higher welding speed.
Noiseless and smoke-free.

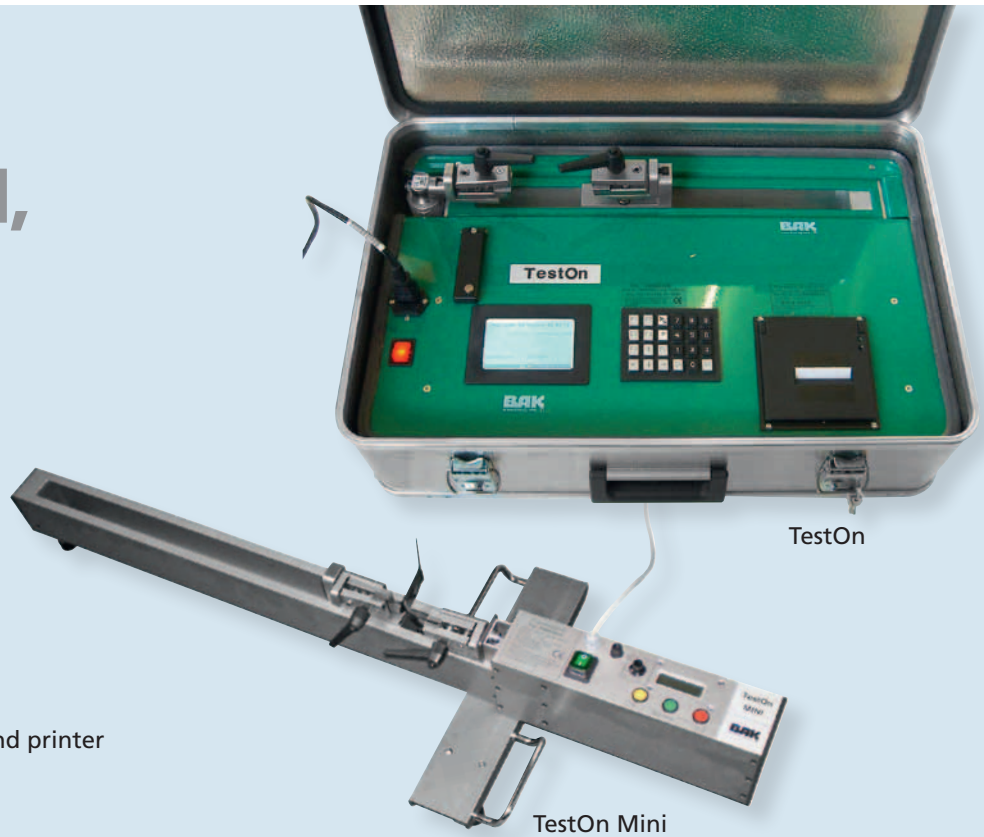
Technical data

Voltage	V	230
Frequency	Hz	50/60
Power consumption	W	1050, 1420 or 1790 depends on wedge width
Temperature	°C	20–425
Speed	m/min	0,5–42
Size (l x w x h)	mm	540 x 330 x 280
Seam width	mm	30, 40 or 50
Weight	kg	21,3
Protection class I		⊕

Available on request
with 120 V.

Handy,
field tested,
precise

- for shear- and tensile tests
- simple clamping of test material
- digital display
- with integrated recording system and printer
- test speed adjustable



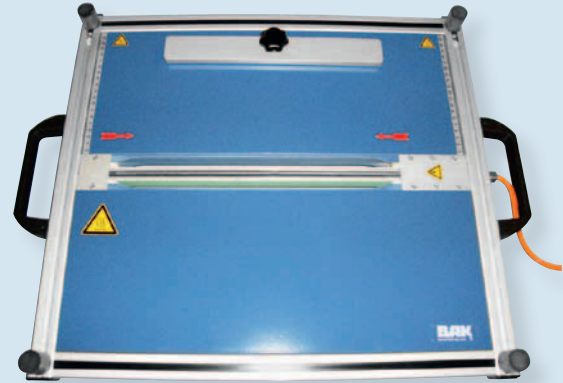
The tensiometer to test the welding seams.
High precise test result on construction side.

Technical data		TestON	TestON Mini
Voltage	V	100-240	100-240
Frequency	Hz	50/60	50/60
Power consumption	W	250	135
Test speed	mm/min	10-100	10-100
Test way	mm	280	500
Max. force	N	2000	2000
Weight	kg	20	10
Protection class I		⊕	⊕

HEAT BATTEN

Small,
flexibel,
low-priced

- electronic controlled heating element
- digital display showing set and actual temperature
- timer with acoustic alarm
- Parallel limit stop as accessory



Mini heat batten

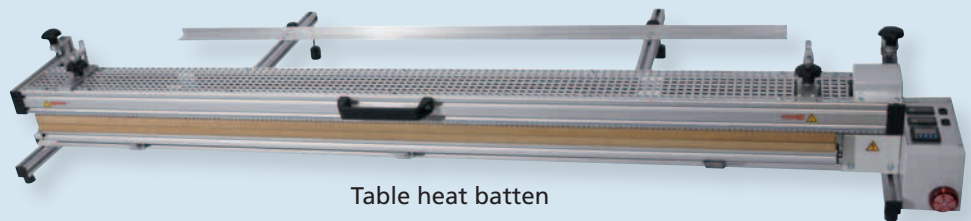
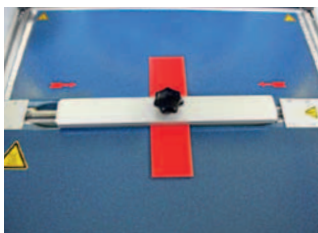


Table heat batten



The mini heat batten for bending of small displays or other thermoplastic parts and films.
The table heat batten for bending of thermoplastic material up to 12 mm thickness and films up to 1 mm.

Technical data		Mini heat batten	Table heat batten with single heating system	Table heat batten with upper- and lower heating system
Voltage	V	230	230	230
Frequency	Hz	50/60	50/60	50/60
Power consumption	W	250	500–1600 depending on working width	1400–3200
Max. working width	mm	300	500,1000, 1500, 2000, 2500 or 3000	500,1000, 1500, 2000, 2500 or 3000
Max. material thickness	mm	4	6	12
Weight	kg	8,2	7–24	22–46
Protection class I		⊕	⊕	⊕

ACCESSORIES



Pressure roller 28 mm (silicon)
Order no. 5106977



Hand grooving tool
Order no. 5106966



Wide slot nozzle (Ø 32 mm) 40 mm
push fit
Order no. 5107132



Pressure roller 40 mm (silicon)
Order no. 5106975



Spatula
Order no. 5106969



Wide slot nozzle (Ø 32 mm) 40 mm perforated
push fit
Order no. 5107133



Pressure roller 28 mm (PTFE)
Order no. 5106976



Spatula slide
Order no. 5200092



Angled nozzle SP20
right Order no. 6660004
left Order no. 6660005



Pressure roller 40 mm (PTFE)
Order no. 5106971



Wide slot nozzle (Ø 32 mm) 20 mm
push fit
Order no. 5107123



Wide slot nozzle (Ø 50 mm) 70x10 mm
Order no. 5107258



Pressure roller 80 mm (silicon)
Order no. 5106974



Angled nozzle (Ø 32 mm) 20 mm 90°
push fit
Order no. 5107124



Wide slot nozzle (Ø 50 mm) 75x2 mm
Order no. 5107266



Pressure roller with ball bearings (brass)
Order no. 5106972



Angled nozzle (Ø 32 mm) 20 mm 60°
push fit
Order no. 5107125



Wide slot nozzle (Ø 50 mm) 150x12 mm
Order no. 5107270



Chamfer plane
Order no. 5201445



Wide slot nozzle (Ø 32 mm) 30x2 mm
push fit
Order no. 5105494



Tubular nozzle (Ø 32 mm) 5 mm
push fit
Order no. 5100303

ACCESSORIES



Tacking nozzle

push fit
on tubular nozzle 5 mm
Order no. 5106996



Draw nozzle

screw on M14
Profile 5,7 mm 5113877
Profile 7,0 mm 5106986



Sieve reflector (\varnothing 32 mm) 35x20 mm

Order no. 6107338



Speed welding nozzle

push fit
on tubular nozzle 5 mm
Round 3 mm 5106989
Round 4 mm 5106990
Round 5 mm 5106991



Draw nozzle with tacking tip

screw on M14
Profile 5,7 mm 5113670
Profile 7,0 mm 5113671



Sieve reflector (\varnothing 32 mm) 50x35 mm

Order no. 6107337



Speed welding nozzle

push fit
on tubular nozzle 5 mm
Profile 5,7 mm 5106992
Profile 7,0 mm 5106993



Angled adapter 25° angular

for draw nozzle M14
Order no. 5201020



Scraper short 100 mm

Order no. 5200142



Tubular nozzle 5 mm

screw on M14
Order no. 5105622



Angled adapter 40° angular

for draw nozzle M14
Order no. 5201021



Scraper long 220 mm

Order no. 5200143



Tacking nozzle

screw on M14
Order no. 5106988



Adapter with thread M10 (\varnothing 32 mm)

Order no. 5201013



Scraper

Order no. 5106967



Draw nozzle

screw on M14
Round 3 mm 5113876
Round 4 mm 5113874
Round 5 mm 5113875



Adapter with thread M14 (\varnothing 32 mm)

Order no. 5201014



Scraper two square

Order no. 5201470



Draw nozzle with tacking tip

screw on M14
Round 3 mm 5113666
Round 4 mm 5113399
Round 5 mm 5113873



Sieve reflector 10x12 mm

push fit
on tubular nozzle 5 mm
Order no. 5107324



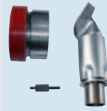
Scraper three square

Order no. 5201440



Scraper with double handle

Order no. 5200140



Overlap welding kit TarpOn

20 mm Order no. 6115065
30 mm Order no. 6115066
40 mm Order no. 6114323



Test needle PVC

Order no. 5201700



Welding seam planer

Order no. 5200146



Hem welding kit SeOn

Order no. 6601752



Test needle PE

Order no. DX073



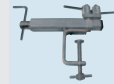
Hook knife

with cover
Order no. D-0404



Guide sheet SeOn

Order no. 5200281



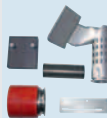
Handy Tensiometer

Order no. 5200171



Hem welding kit for TarpOn

Adjustable for hem width
20, 25, 30, 35, 40 mm
Order no. 6119933



Bitumen welding kit LarOn

80 mm Order no. 6108923
100 mm Order no. 6108924



Sheet puller

Order no. DX071



Keder kit TarpOn

Order no. 6122016



Metal case for hand tools

Order no. 5201000



Metal case PlanOn/RoofOn

Order no. 5201008



Acrylic kit TarpOn

Order no. 6660001



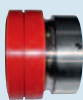
Metal case LarOn

Order no. 5201001



Carbide blade

for RotOn
Round 2,8 mm 6102403
Round 3,5 mm 6102405
Trapeze 3,5 mm 6102401



Vandalism kit TarpOn

Order no. 6116232



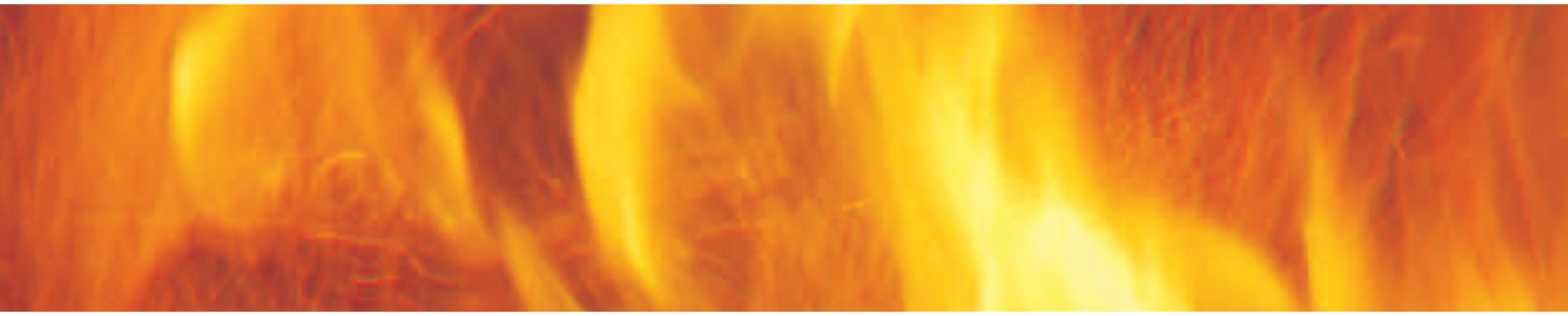
JAMAS Membrane cutter

Order no. 5201230



Welding rod

Different types, profiles and colours



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