



EXTRUSION WELDERS A NEW WELDING EXPERIENCE



**THE RESULT ALWAYS
DEPENDS ON YOUR CHOICES**



NEW TECHNOLOGY BEST PERFORMANCE

STARGUN IS A COMPLETE EXTRUDER LINE ABLE TO OFFER THE BEST TECHNOLOGICAL SOLUTIONS FOR EXTRUSION WELDING.

**WELDABLE
MATERIALS:**

HDPE

PP

PVDF*

* check specifications
on each model

UNO

Quality, ergonomics, precision.

A compact and user-friendly products with an innovative design.



**DOUBLE TEMPERATURE
CONTROL:
AIR / PLASTIFICATION
WELDING ACCORDING
D.V.S. 2207-4**

Stargun LINK models 20/30/40

Quality, manageability, design. Three compact and user-friendly products.

The right choice for those who put quality in first place.



**DOUBLE TEMPERATURE
CONTROL:
AIR / PLASTIFICATION
WELDING ACCORDING
D.V.S. 2207-4**

Stargun K-SB models 50/60

Power and lightness. The strength of these models is their output.

The weight-power ratio combined with the high output make those extruders unique.



**DOUBLE TEMPERATURE
CONTROL:
AIR / PLASTIFICATION
WELDING ACCORDING
D.V.S. 2207-4**

Stargun SOLO models 20/30/40

Reliability and tradition. Three products that are not just a restyling, but a new concept: Simplification.

A reference for those who look for practicality at a fair price.



**SINGLE TEMPERATURE
CONTROL: HOT AIR**

The information and photos in this publication are not binding and RITMO S.p.A. is free to make any alterations without prior notice.

www.ritmo.it



WHAT WAS MISSING

UNO – the extruder designed to fill the void, the latest innovative Ritmo concept in hand extrusion welding. UNO is the ultimate result of the dynamic study of perfection, of the attentive care for design and of the meticulous research for values in every detail. This new hand extruder is not only a working tool but the highest expression of welding quality and ergonomics, an unforgettable welding experience characterized by the perfect balance between human mind and technology.

LIGHT
3,4 Kg - 7.5 lb

COMPACT

POWERFUL
up to 1 Kg/h
2,2 lb/h



IN A WORD:

INDISPENSABLE

QUALITY

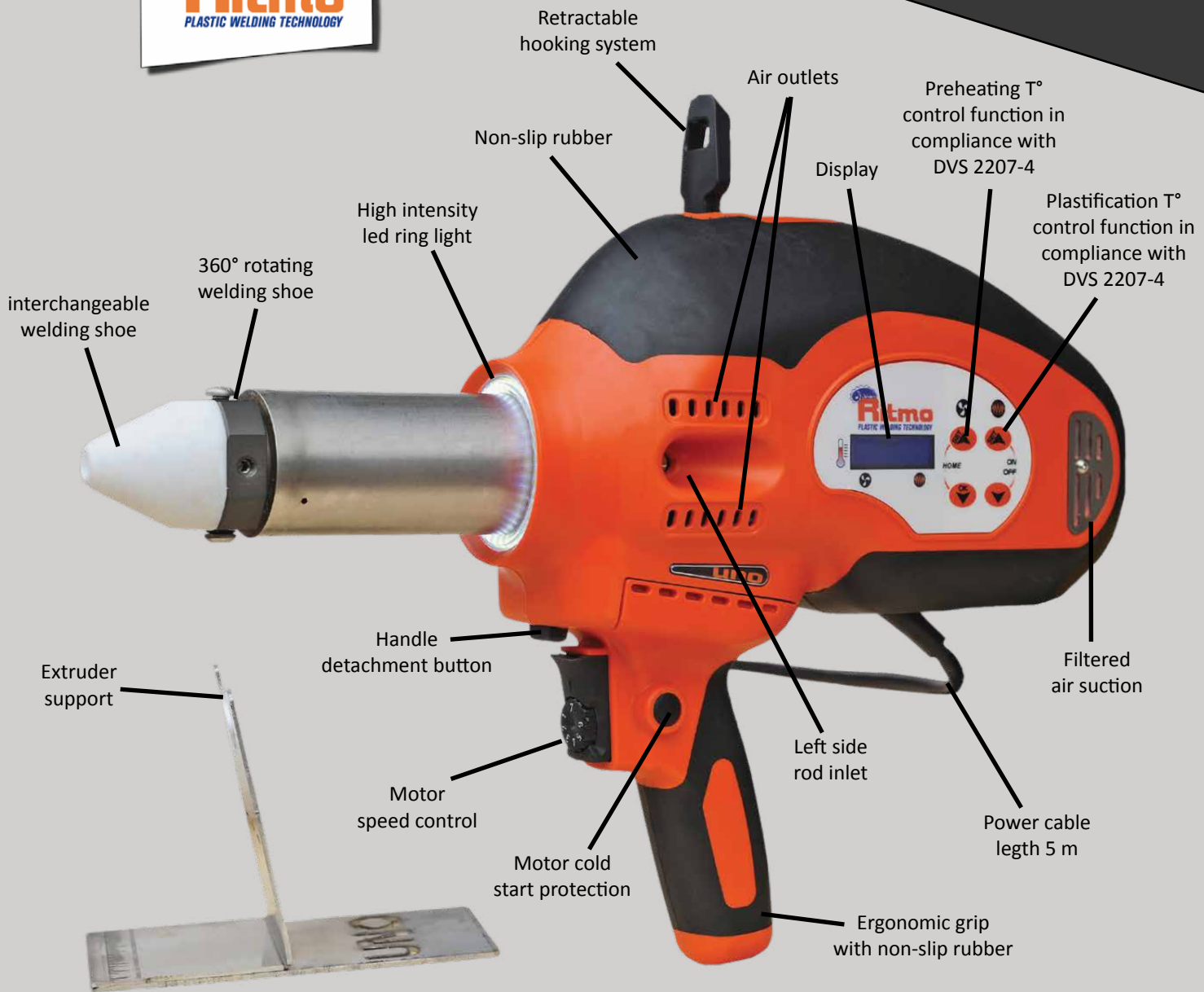
- Compliant with DVS 2207-4 (double temperature control Preheatig - Plastification)
- Double rod inlet
- Materials: HDPE, PP, PVDF
- 360° rotating welding shoe
- Productivity up to 1 Kg/h - 2.2 lb
- Detachable handle
- Extrusion speed control also without handle
- Air cleaning filters
- Extruder support with air deflector

ERGONOMIC

- Design Made in Italy
- Light (weight 3.4 Kg, 7.5 lb)
- Compact
- Non-slip rubber
- One-hand safe grip
- Weight balance
- Retractable hooking system

PRECISION

- Interchangeable welding shoes
- High intensity led ring light
- Preloaded welding parameters
- Possibility to set customized welding parameters
- Handle detachment without switching off
- Motor cold start protection



EASIER THAN THIS !

Dont' stop me!

The handle detachment is easy and fast, the extruder doesn't need to be switched off and in a few seconds it is possible to switch to the compact configuration which is particularly suitable for narrow spaces. The welding speed can be adjusted in both configurations thanks to a potentiometer.

**PATENT
PENDING**

1 - DETACH



2 - INSERT



3 - READY

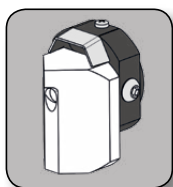


STANDARD COMPOSITION

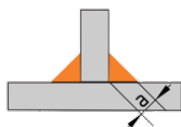
- Hand extruder UNO version 110 V or 230 V with power cable length 5 m
- Extruder steel support with non-heat dispersion deflectors
- Narrow spaces configuration with conversion kit
- Conical welding shoe \varnothing 11 mm
- 90° welding shoe $a=4.2$ mm
- service wrench
- Technopolymer transport case



AVAILABLE WELDING SHOES FOR STARGUN UNO



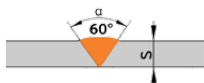
90° Welding



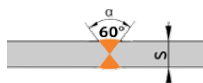
ACCORDING DVS STANDARD

Model	Sheet thickness	Article
90° - a 2.8 mm	4 mm	86777864
90° - a 4.2 mm	6 mm	86777860
90° - a 5.6 mm	8 mm	86777861
90° - a 7 mm	10 mm	86777862
90° - a 8,4 mm	12 mm	86777863

V - Welding "S"



X - Welding "S"



ACCORDING DVS STANDARD

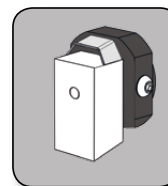
Model	V welding "S"	X welding "S"	Article
V Flat - 6	6 mm	12 mm	86777865
V Flat - 8	8 mm	16 mm	86777866
V Flat - 10/12	10 - 12 mm	20 - 25 mm	86777867

Materials	PE, PP, PVDF FOR OTHER MATERIALS CONTACT RITMO S.P.A
Rods	\varnothing 3-4 mm 1/8" - 5/32"
Productivity	up to 1 Kg/h rod \varnothing 4 mm 2.2 lb/h with rod \varnothing 5/32"
Power supply	Mod. 110 V - 60 Hz Mod. 230 V - 50÷60 Hz
Absorbed power	1750 W
Weight	3,4 Kg - 7.5 lb without power supply cable
Overall dimensions with handle	354 x 273 x 96 mm 14" x 10.7" x 3.7"
Overall dimensions without handle	354 x 173 x 96 mm 14" x 6.8" x 3.7"
Transport case dimensions	500 x 450 x 140 mm 19.6" x 17.7 x 5.5"
Acoustic emissions	< 70 dBA

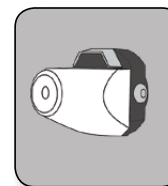
OTHER WELDING SHOES



90° Narrow
welding shoe
86777869



Neutral
welding shoe
86777875



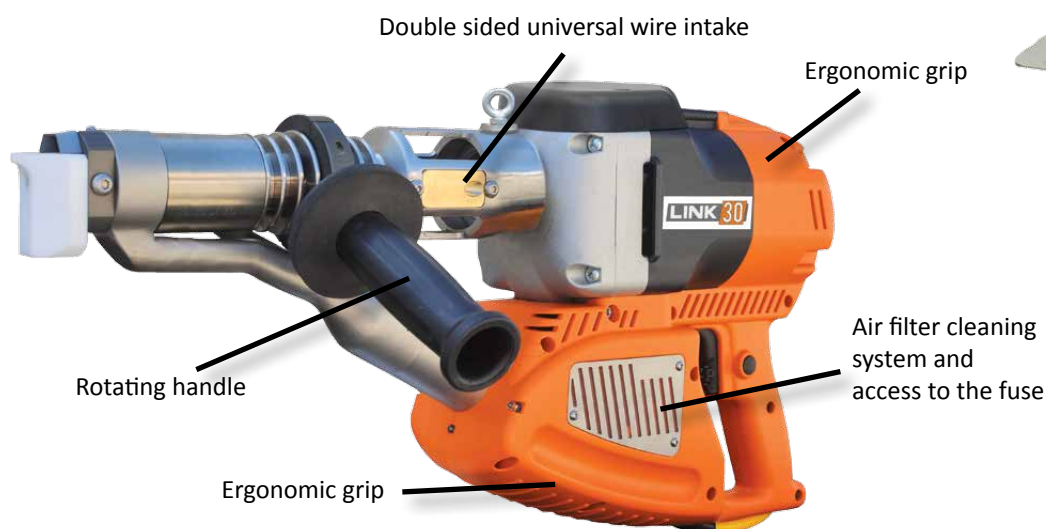
Conical
shoe \varnothing 11 mm
86777868

STARGUN LINK SERIES: HIGHEST PERFORMANCE

ERGONOMICS

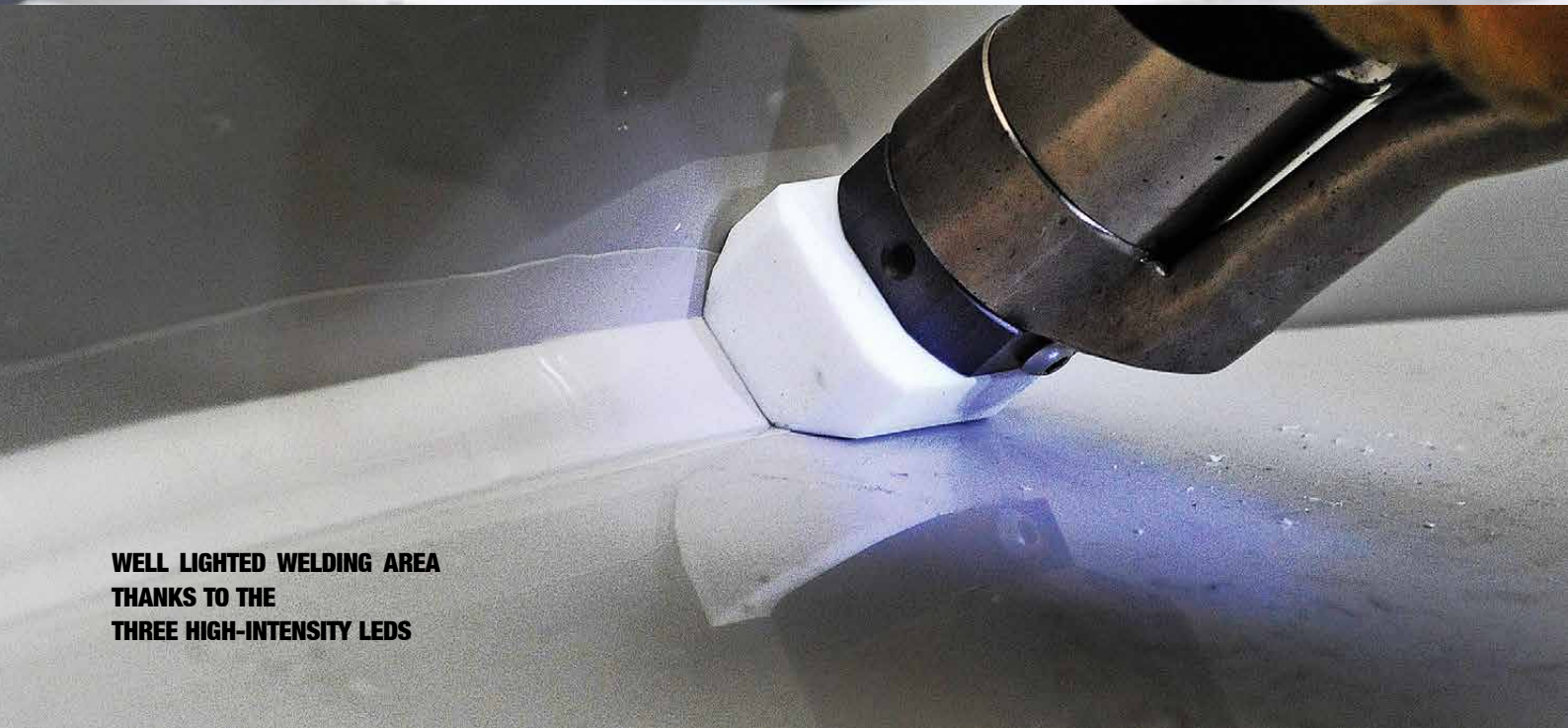
**CLEAN
AIR**

**WELDING
SPEED**





**REAR ERGONOMIC GRIP TO CONTROL PRESSURE AND SPEED.
THANKS TO AN INTERNAL AIR FLOW, THE GRIP ON THE MOTOR COVER
REMAINS COMFORTABLE EVEN AFTER A LONG USE**



**WELL LIGHTED WELDING AREA
THANKS TO THE
THREE HIGH-INTENSITY LEDS**



LINK 20

Stargun LINK 20 is the most compact and light extruder of the product range. Its geometry combined with the reduced weight make this extruder the ideal solution to work in narrow places. The welding quality is guaranteed by the motor speed adjustment and the thermoregulator with double temperature control: air and plastification.

- Backlight display
- Triple LEDs for the lightening of the welding area
- Potentiometer; security system "motor block/cold start"
- Independent blower
- Double T° thermoregulator: air/platification
- Rotating handle
- External fuse with simple access
- 360° rotating welding shoes. Easily replaceable.

Standard equipment:

- LINK 20 with transport case, extruder support and
- Rotating welding shoe mod. 90° - a 7 mm cod. 86777821
- Rotating welding shoe mod. V Flat 10/12 mm cod. 86777830

On request

Wide range of welding shoes

TECHNICAL FEATURES

Materials	HDPE, PP, PVDF
Rods	Ø 3 - 4 mm; 1/8" - 5/32"
Sheets / foils	1,5 ÷ 20 mm; 1/16" ÷ 0.8"
** Output up to	2,2 Kg/h HDPE rod Ø 4 mm 4.8 lb/h with rod Ø 5/32"
Dimensions	510 x 260 x 110 mm 20" x 10.2" x 4.3
Power supply	230 Vac 50/60 Hz
Total absorbed power	3100 W
Weight	6,5 Kg; 14.3 lb

** the output varies depending on the material

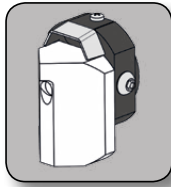
Product code

LINK 20 CE plug 97800100

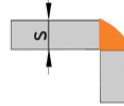
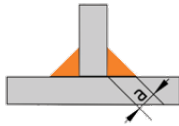
LINK 20 Schuko plug 97800102



WELDING SHOES LINK 20



90° - Welding

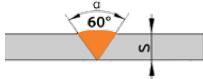


90° Corner Outside - Welding "S"

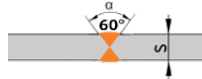
ACCORDING DVS STANDARD		
Model	Sheet thickness	Article
90° - a 4.2 mm	6 mm	86777819
90° - a 5.6 mm	8 mm	86777820
90° - a 7 mm	10 mm	86777821
90° - a 8,4 mm	12 mm	86777822
90° - a 10,5 mm	15 mm	86777823
90° - a 14 mm	20 mm	86777824

ACCORDING DVS STANDARD		
Model	Sheet thickness "S"	Article
90° Corner Outside 8	8 mm	86777870
90° Corner Outside 10	10 mm	86777871
90° Corner Outside 12	12 mm	86777872
90° Corner Outside 15	15 mm	86777873

V - Welding "S"



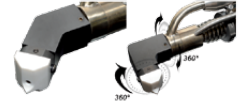
X - Welding "S"



ACCORDING DVS STANDARD			
Model	V welding "S"	X welding "S"	Article
V Flat - 8	8 mm	16 mm	86777829
V Flat - 10/12	10 - 12 mm	20 - 25 mm	86777830
V Flat - 15	15 mm	30 mm	86777831
V Flat - 20	20 mm	40 mm	86777832



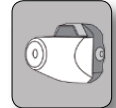
Nozzle for corrugated pipes
76777840



Special welding shoe support
45° - 80047830 (only support)
90° - 80047820 (only support)



Special nozzle 180 mm
86777800



Conical 20
86777817



Conical 14
86777818





LINK 30

Stargun LINK 30 is able to weld wire of Ø 3-4-5 mm. Its output (up to 3,2 kg/h) together with its manageability make the LINK 30 the most versatile of the product range. The welding quality is guaranteed by the motor speed adjustment and the thermoregulator with double temperature control: air and plastification.

- Backlight display
- Triple LEDs for the lightening of the welding area
- Potentiometer; *security system "motor block/cold start"
- Independent blower
- Double T° thermoregulator: air/platification
- Rotating handle
- External fuse with simple access
- 360° rotating welding shoes. Easily replaceable.

Standard equipment:

- LINK 30 with transport case, extruder support and
- Rotating welding shoe mod. 90° - a 10,5 mm cod. 86777823
- Rotating welding shoe mod. V Flat - 15 mm cod. 86777831

On request

Wide range of welding shoes and Geotextile kit.

TECHNICAL FEATURES

Materials	HDPE, PP, PVDF
Rods	Ø3-4-5 mm; 1/8" 5/32" 3/16"
Sheets / foils	1,5 ÷ 30 mm; 1/16" ÷ 1.1"
** Output up to	3,2 Kg/h HDPE rod Ø 5 mm 7 lb/h with rod Ø 5/32"
Dimensions	540 x 260 x 110 mm 21.2" x 10.2" x 4.3"
Power supply	230 Vac 50/60 Hz
Total absorbed power	3500 W
Weight	6,8 Kg; 15 lb

** the output varies depending on the material

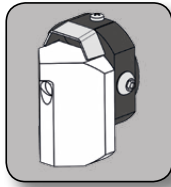
Product code

LINK 30 CE plug 97800110

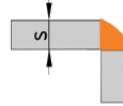
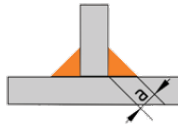
LINK 30 Schuko plug 97800112



WELDING SHOES LINK 30



90° - Welding

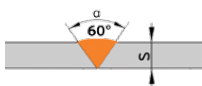


90° Corner Outside - Welding "S"

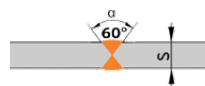
ACCORDING DVS STANDARD

Model	Sheet thickness	Article
90° - a 5.6 mm	8 mm	86777820
90° - a 7 mm	10 mm	86777821
90° - a 8,4 mm	12 mm	86777822
90° - a 10,5 mm	15 mm	86777823
90° - a 14 mm	20 mm	86777824
90° - a 17,5 mm	25 mm	86777825
90° - a 21 mm	30 mm	86777826

V - Welding "S"



X - Welding "S"



ACCORDING DVS STANDARD

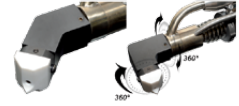
Model	V welding "S"	X welding "S"	Article
V Flat - 8	8 mm	16 mm	86777829
V Flat - 10/12	10 - 12 mm	20 - 25 mm	86777830
V Flat - 15	15 mm	30 mm	86777831
V Flat - 20	20 mm	40 mm	86777832

ACCORDING DVS STANDARD

Model	Sheet thickness "S"	Article
90° Corner Outside 8	8 mm	86777870
90° Corner Outside 10	10 mm	86777871
90° Corner Outside 12	12 mm	86777872
90° Corner Outside 15	15 mm	86777873



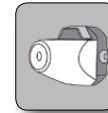
Nozzle for corrugated pipes
76777840



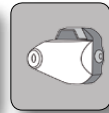
Special welding shoe support
45° - 80047830 (only support)
90° - 80047820 (only support)



Special nozzle 180 mm
86777800



Conical 20
86777817



Conical 14
86777818



Geotextile
86777814





LINK 40

Stargun LINK 40 is an extruder with high output able to extrude up to 4 kg/h. Its power combined with the manageability make it a high productive extruder. The welding quality is guaranteed by the motor speed adjustment and the thermoregulator with double temperature control: air and plastification.

- Backlight display
- Triple LEDs for the lightening of the welding area
- Potentiometer; security system "motor block/cold start"
- Independent blower
- Double T° thermoregulator: air/plastification
- Rotating handle
- External fuse with simple access
- 360° rotating welding shoes. Easily replaceable.

Standard equipment:

- Link 40 with transport case, extruder support and
- Rotating welding shoe mod. 90° - a 10,5 mm cod. 86777823
- Rotating welding shoe mod. V Flat - 15 mm cod. 86777831

On request

Wide range of welding shoes and Geotextile kit

TECHNICAL FEATURES

Materials	HDPE, PP
Rods	Ø 4 - 5 mm; 5/32" 3/16"
Sheets / foils	1,5 ÷ 30 mm; 1/16" ÷ 1.1"
** Output up to	4 Kg/h HDPE rod Ø 5 mm 8.8 lb/h rod Ø 3/16"
Dimensions	640 x 200 x 100 mm 25.2" x 10.2" x 4.3"
Power supply	230 Vac 50/60 Hz
Total absorbed power	3500 W
Weight	7,6 Kg; 16.7 lb

** the output varies depending on the material

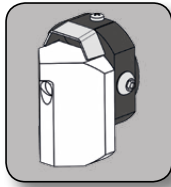
Product code

LINK 40 CE plug 97800120

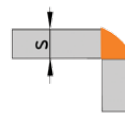
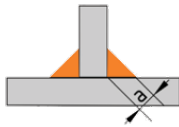
LINK 40 Schuko plug 97800122



WELDING SHOES LINK 40



90° - Welding

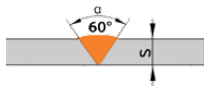


90° Corner Outside - Welding "S"

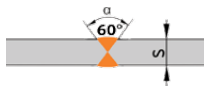
ACCORDING DVS STANDARD

Model	Sheet thickness	Article
90° - a 5.6 mm	8 mm	86777820
90° - a 7 mm	10 mm	86777821
90° - a 8,4 mm	12 mm	86777822
90° - a 10,5 mm	15 mm	86777823
90° - a 14 mm	20 mm	86777824
90° - a 17,5 mm	25 mm	86777825
90° - a 21 mm	30 mm	86777826

V - Welding "S"



X - Welding "S"



ACCORDING DVS STANDARD

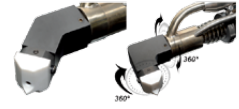
Model	V welding "S"	X welding "S"	Article
V Flat - 8	8 mm	16 mm	86777829
V Flat - 10/12	10 - 12 mm	20 - 25 mm	86777830
V Flat - 15	15 mm	30 mm	86777831
V Flat - 20	20 mm	40 mm	86777832

ACCORDING DVS STANDARD

Model	Sheet thickness "S"	Article
90° Corner Outside 8	8 mm	86777870
90° Corner Outside 10	10 mm	86777871
90° Corner Outside 12	12 mm	86777872
90° Corner Outside 15	15 mm	86777873
90° Corner Outside 20	20 mm	86777874



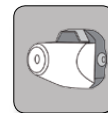
Nozzle for corrugated pipes
76777840



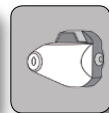
Special welding shoe support
45° - 80047830 (only support)
90° - 80047820 (only support)



Special nozzle 180 mm
86777800



Conical 20
86777817



Conical 14
86777818



Geotextile
86777814

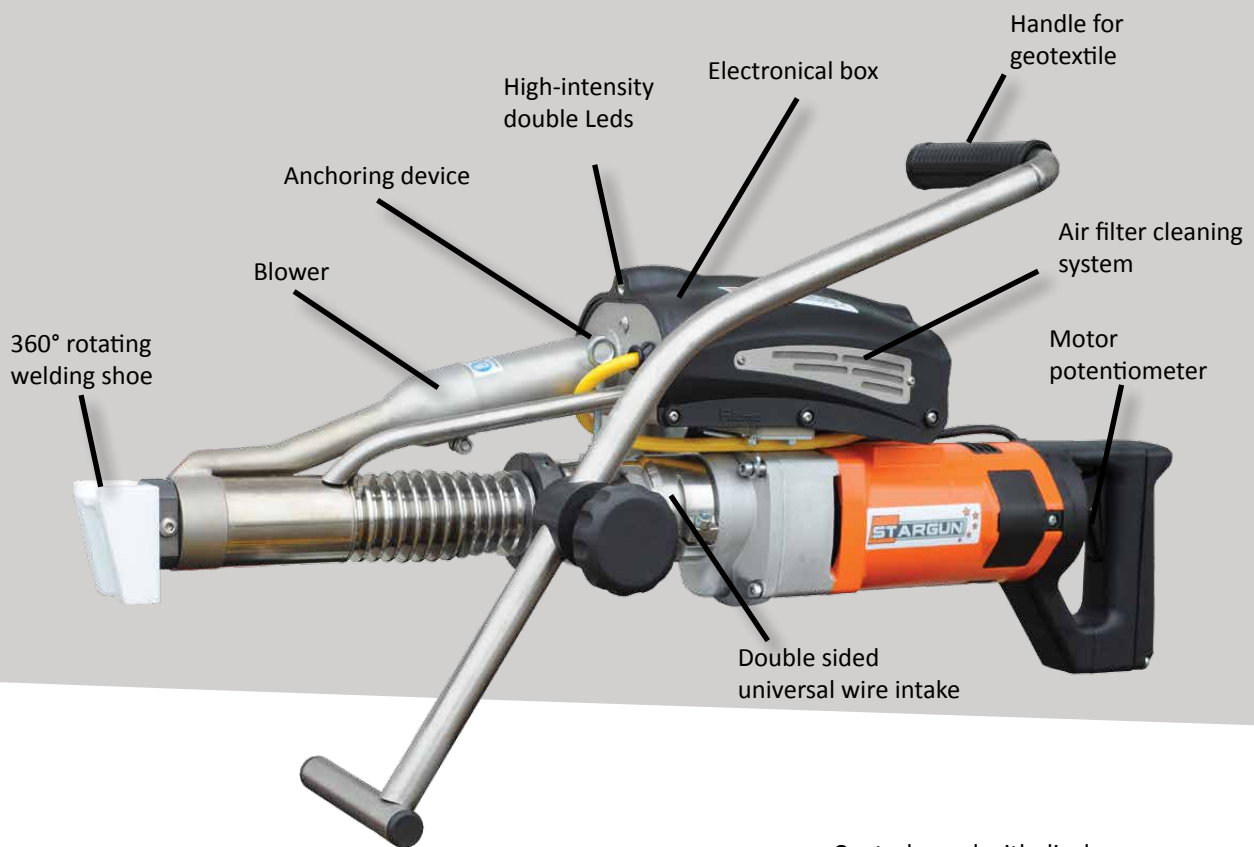


STARGUN K-SB SERIES: SIMPLY POWERFUL

**HIGH
OUTPUT**

VERSATILE

LIGHT



Control panel with display





**IT'S NOT ABOUT
WHAT YOU DO,
BUT HOW**

K-SB 50



K-SB 50 Back Handle

The powerful Stargun K-SB 50 is essential for all those jobs that require a high quantity of extruded material. K-SB 50 is suitable for welding linings, geo-textiles, sheets and thick pipes and for all kind off applications that need to resist against continuous stress. Output up to 5 kg/h.

- Potentiometer; security system "motor block/cold start"
- Independent blower
- Backlight display
- Double LEDs for the lightening of the welding area
- Double T° thermoregulator: air/plastification
- Rotating handle

Standard equipment with two different handles:

- K-SB 50 back handle, fixed lateral preheating with nozzle 32 mm (78947864C)
- K-SB 50 Pistol Grip, fixed lateral preheating with nozzle 32 mm (78947864C)
- Transport case with extruder support
- Welding shoe 90° fixed air - a 17,5 mm cod. 86777843
- Welding shoe V Flat fixed air - 25 mm cod. 86777851

On request

Welding shoes, KIT rotating welding shoes

Materiale	HDPE, PP
Rods	Ø 4 - 5 mm; 5/32" 3/16"
Sheets	1,5 ÷ 40 mm; 1/16" ÷ 1.5"
* Output up to	5 Kg/h HDPE rod Ø 5 mm 11 lb/h rod Ø 3/16"
Dimensions (a) Back Handle (b) Pistol Grip	(a) 720 x 260 x 100 mm 28.3" x 10.2" x 4.3" (b) 600 x 330 x 100 mm 23.6" x 12.9" x 4.3"
Power supply	230 Vac 50/60 Hz
Total absorbed power	4000 W
Weight	9 Kg; 19.8 lb

* The output varies depending on the material



K-SB 50 Pistol Grip

K-SB 60



The powerful Stargun K-SB 60 is essential for all those jobs that require a high quantity of extruded material. K-SB 60 is suitable for welding linings, geo-textiles, sheets and thick pipes and for all kind off applications that need to resist against continuous stress. Output up to 6,2 kg/h.

- Potentiometer; security system "motor block/cold start"
- independent blower
- Backlight display
- Double LEDs for the lightening of the welding area
- Double T° thermoregulator: air/plastification
- Rotating handle

Standard equipment:

- K-SB 60 back handle, fixed lateral preheating with nozzle 32 mm (78947864C)
- Transport case with extruder support
- Welding shoe 90° fixed air - a 21 mm cod. 86777844
- Welding shoe V Flat fixed air - 30 mm cod. 86777852

On request

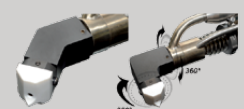
Welding shoes, KIT rotating welding shoes 360°, KIT Geotextile

Materials	HDPE, PP
Rods	Ø 4 - 5 mm; 5/32" 3/16"
Sheets	1,5 ÷ 40 mm; 1/16" ÷ 1.5"
* Output up to	6.2 Kg/h HDPE rod Ø 5 mm 13.6 lb/h rod Ø 3/16"
Dimensions	730 x 260 x 100 mm 28.3" x 10.2" x 4.3"
Power supply	230 Vac 50/60 Hz
Total absorbed power	4200 W
Weight	9,3 Kg; 20.5 lb

* The output varies depending on the material



Nozzle for corrugated pipes
76777840



Special welding shoe support
45° - 80047830 (only support)
90° - 80047820 (only support)



Special nozzle 180 mm
86777800

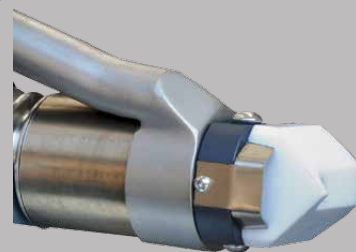


K-SB 50 / K-SB 60
with Geotextile KIT

TWO AIR FLOW SYSTEMS AVAILABLE

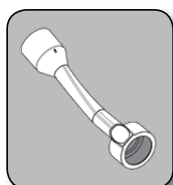


Standard equipment
Lateral fixed pre-heating,
complete with adapter
cod. 81567800



On request
Rotating air flow 360° requires
adapter cod. 81567801

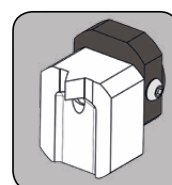
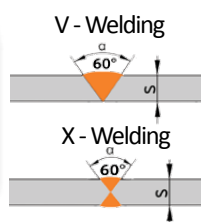
WELDING SHOES K-SB 50 / K-SB 60



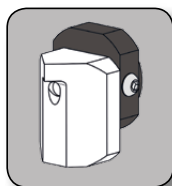
360° rotating air flow
adapter cod. 81567801
to be used with rotating
welding shoes



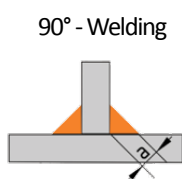
360° rotating welding
shoe°



Welding shoe with
fixed air



Welding shoe with
fixed air



90° - Welding



360° rotating welding
shoe

ACCORDING DVS STANDARD

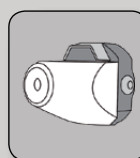
Welding shoe with fixed air	Sheet thickness	Article
90° - a 7 mm	10 mm	86777839
90° - a 8,4 mm	12 mm	86777840
90° - a 10,5 mm	15 mm	86777841
90° - a 14 mm	20 mm	86777842
90° - a 17,5 mm	25 mm	86777843
90° - a 21 mm	30 mm	86777844
90° - a 24,5 mm	35 mm	86777845
90° - a 28 mm	40 mm	86777846

360° rotating air flow adapter cod. 81567801 to be used with rotating welding shoes	Sheet thickness	Article
90° - a 7 mm	10 mm	86777821
90° - a 8,4 mm	12 mm	86777822
90° - a 10,5 mm	15 mm	86777823
90° - a 14 mm	20 mm	86777824
90° - a 17,5 mm	25 mm	86777825
90° - a 21 mm	30 mm	86777826
90° - a 24,5 mm	35 mm	86777827
90° - a 28 mm	40 mm	86777828

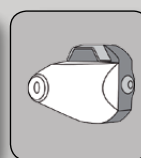
ACCORDING DVS STANDARD

360° rotating air flow adapter cod. 81567801 to be used with rotating welding shoes	V welding "S"	X welding "S"	Article
V Flat - 8	8 mm	16 mm	86777829
V Flat - 10/12	10 - 12 mm	20 - 25 mm	86777830
V Flat - 15	15 mm	30 mm	86777831
V Flat - 20	20 mm	40 mm	86777832

Welding shoe with fixed air	V welding "S"	X welding "S"	Article
V Flat - 8	8 mm	16 mm	86777847
V Flat - 10/12	10 - 12 mm	20 - 25 mm	86777848
V Flat - 15	15 mm	30 mm	86777849
V Flat - 20	20 mm	35 - 40 mm	86777850
V Flat - 25	25 mm	-	86777851
V Flat - 30	30 mm	-	86777852
V Flat - 35	35 mm	-	86777853
V Flat - 40	40 mm	-	86777854



Conical 20
86777817



Conical 14
86777818

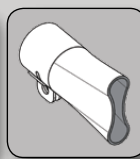


Geotextile
86777814

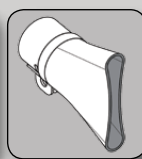
FIXED LATERAL AIR FLOW



Nozzle 25 mm
78947854C



Nozzle 32 mm
78947864C



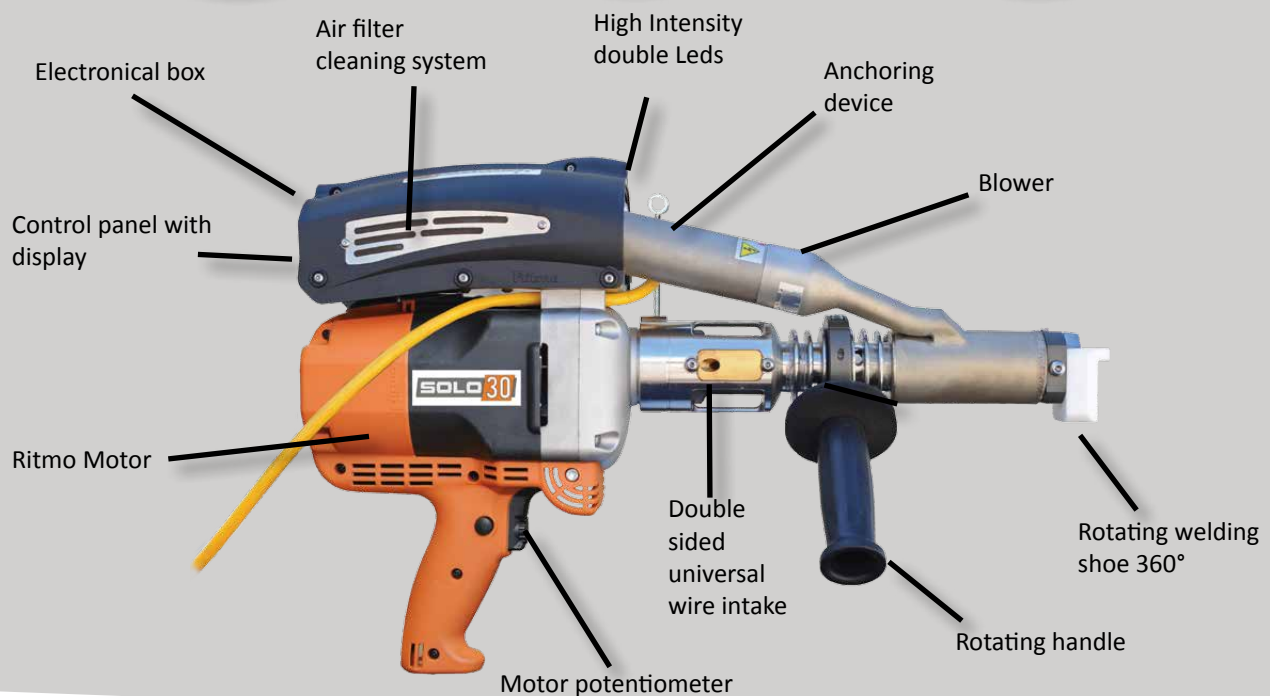
Nozzle 48 mm
78947874C

STARGUN SOLO SERIES: ESSENTIAL CHARM

RELIABLE

SIMPLE

SOLID







Product code
SOLO 20 CE plug 97800130
SOLO 20 Schuko plug 97800132

SOLO 20

Stargun SOLO 20 is an essential extruder able to perform quality weldings. Solid, compact, reliable, the extruder is equipped with a motor potentiometer for the speed adjustment and a security system "motor block" to prevent cold starts. The temperature control is on the blower and can be set on the control panel.

- Backlight Display
- Double LEDs for the lightening of the welding area
- Potentiometer; security system "motor block/cold start"
- Single T° thermoregulator: air
- Rotating handle
- 360° rotating welding shoes. Easily replaceable.

Standard equipment

SOLO 20, transport case and extruder support;

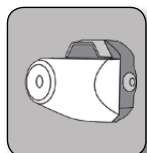
- Rotating welding shoe mod. 90° - a 7 mm cod. 86777821
- Rotating welding shoe mod. V Flat 10/12 mm cod. 86777830

On request

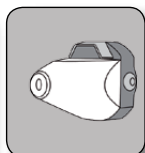
Wide range of welding shoes, Kit back handle

Materials	HDPE, PP
Rods	Ø 3 - 4 mm; 1/8" - 5/32"
Sheets / foils	1,5 ÷ 20 mm; 1/16" ÷ 0.8"
* Output up to	2,2 Kg/h HDPE rod Ø 4 mm 4.8 lb/h rod Ø 5/32"
Dimensions	450 x 310 x 100 mm; 17.7" x 12.2" x 4.3"
Power supply	230 Vac 50/60 Hz
Total absorbed power	2700 W
Weight	6,85 Kg; 15.1 lb

* The output varies depending on the material



Conical 20
86777817

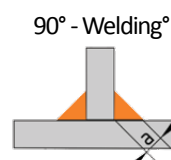


Conical 14
86777818

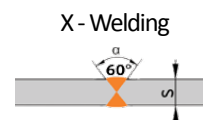
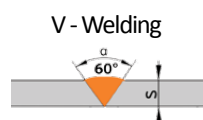


Nozzle for corrugated
pipes 76777840

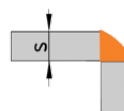
WELDING SHOES SOLO 20



360° ROTATING SHOES		
Model	Sheet thickness	Article
90° - a 4.2 mm	6 mm	86777819
90° - a 5.6 mm	8 mm	86777820
90° - a 7 mm	10 mm	86777821
90° - a 8,4 mm	12 mm	86777822
90° - a 10,5 mm	15 mm	86777823
90° - a 14 mm	20 mm	86777824



360° ROTATING SHOES			
Model	V welding "S"	X welding "S"	Article
V Flat - 8	8 mm	16 mm	86777829
V Flat - 10/12	10 - 12 mm	20 - 25 mm	86777830
V Flat - 15	15 mm	30 mm	86777831
V Flat - 20	20 mm	40 mm	86777832

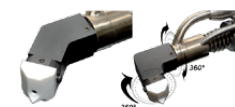


90° Corner Outside - Welding "S"

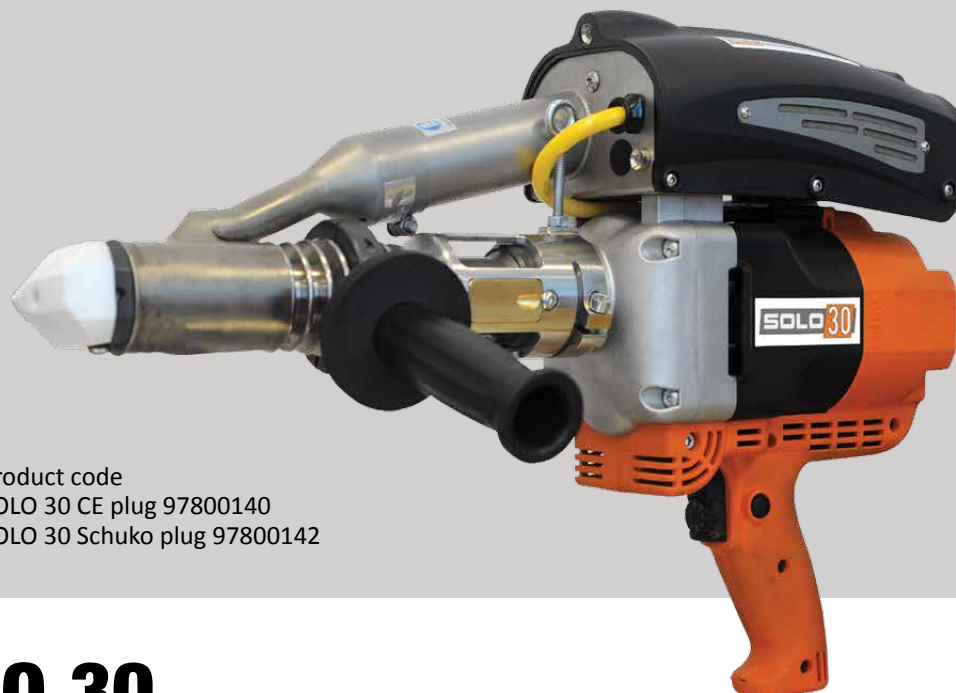
ACCORDING DVS STANDARD		
Model	Sheet thickness "S"	Article
90° Corner Outside 8	8 mm	86777870
90° Corner Outside 10	10 mm	86777871
90° Corner Outside 12	12 mm	86777872
90° Corner Outside 15	15 mm	86777873



Special nozzle 180 mm
86777800



Special welding shoe support
45° - 80047830 (only support)
90° - 80047820 (only support)



Product code
SOLO 30 CE plug 97800140
SOLO 30 Schuko plug 97800142

SOLO 30

Stargun SOLO 30 is essential, versatile, solid combined with qualities such as compactness, quality and reliability. The extruder welds with \varnothing 3-4-5 mm wire; it is equipped with a motor potentiometer for the speed adjustment and a security system "motor block" to prevent cold starts. The temperature control is on the blower and can be set on the control panel.

- Backlight Display
- Double LEDs for the lightening of the welding area
- Potentiometer; security system "motor block/cold start"
- Single T° thermoregulator: air
- Rotating handle
- 360° rotating welding shoes. Easily replaceable.

Standard equipment:

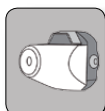
- SOLO 30, transport case and extruder support;
- Rotating welding shoe mod. 90° - a 105, mm cod. 86777823
- Rotating welding shoe mod. V Flat - 15 mm cod. 86777831

On request

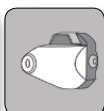
Welding shoes, KIT Geotextiles, Kit back handle

Materials	HDPE, PP
Rods	\varnothing 3-4-5 mm; 1/8" 5/32" 3/16"
Sheets / foils	1,5 ÷ 30 mm: 1/16" ÷ 1.1"
* Output up to	3,2 Kg/h HDPE rod \varnothing 5 mm 7 lb/h rod \varnothing 3/16"
Dimensions	500 x 310 x 100 mm 16.9" x 12.2" x 4.3"
Power supply	230 Vac 50/60 Hz
Total absorbed power	3100 W
Weight	7,1 Kg; 15.6 lb

* The output varies depending on the material



Conical 20
86777817



Conical 14
86777818



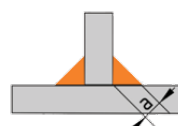
Geotextile
86777814



Nozzle for corrugated
pipes 76777840

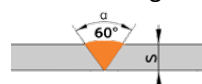
WELDING SHOES SOLO 30

90° - Welding

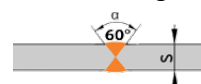


360° ROTATING SHOES		
Model	Sheet thickness	Article
90° - a 5.6 mm	8 mm	86777820
90° - a 7 mm	10 mm	86777821
90° - a 8,4 mm	12 mm	86777822
90° - a 10,5 mm	15 mm	86777823
90° - a 14 mm	20 mm	86777824
90° - a 17,5 mm	25 mm	86777825
90° - a 21 mm	30 mm	86777826

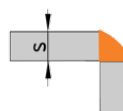
V - Welding



X - Welding



360° ROTATING SHOES			
Model	V welding "S"	X welding "S"	Article
V Flat - 8	8 mm	16 mm	86777829
V Flat - 10/12	10 - 12 mm	20 - 25 mm	86777830
V Flat - 15	15 mm	30 mm	86777831
V Flat - 20	20 mm	40 mm	86777832

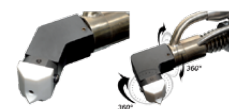


90° Corner Outside - Welding "S"

ACCORDING DVS STANDARD		
Model	Sheet thickness "S"	Article
90° Corner Outside 8	8 mm	86777870
90° Corner Outside 10	10 mm	86777871
90° Corner Outside 12	12 mm	86777872
90° Corner Outside 15	15 mm	86777873



Special nozzle 180 mm
86777800



Special welding shoe support
45° - 80047830 (only support)
90° - 80047820 (only support)



Product code
SOLO 40 CE plug 97800150
SOLO 40 Schuko plug 97800152

SOLO 40

Stargun SOLO 40 is essential, reliable and solid with a high output; it is equipped with a motor potentiometer for the speed adjustment and a security system "motor block" to prevent cold starts. The temperature control is on the blower and can be set on the control panel.

- Backlight Display
- Double LEDs for the lightening of the welding area
- Potentiometer; security system "motor block/cold start"
- Single T° thermoregulator: air
- Rotating handle
- 360° rotating welding shoes. Easily replaceable.

Standard equipment:

SOLO 40, transport case and extruder support;

- Rotating welding shoe mod. 90° - a 10,5 mm cod. 86777823
- Rotating welding shoe mod. V Flat - 15 mm 86777831

On request

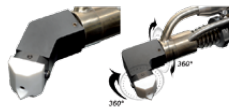
Welding shoes, KIT geotextiles, Kit back handle

Materials	HDPE, PP
Rods	Ø 4 - 5 mm; 5/32" 3/16"
Sheets / foils	1,5 ÷ 30 mm; 1/16" ÷ 1.1"
* Output up to	4 Kg/h HDPE rod Ø 5 mm 8.8 lb/h rod Ø 3/16"
Dimensions	550 x 310 x 100 mm 21.6" x 12.2" x 4.3"
Power supply	230 Vac 50/60 Hz
Total absorbed power	3300 W
Weight	7,6 Kg ; 16.7 lb

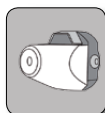
* The output varies depending on the material



Nozzle for corrugated pipes 76777840



Special welding shoe support
45° - 80047830 (only support)
90° - 80047820 (only support)



Conical 20
86777817



Conical 14
86777818

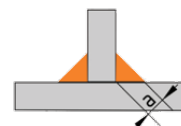


Geotextile
86777814

WELDING SHOES 40

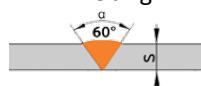


90° - Welding

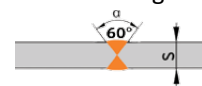


360° ROTATING SHOES		
Model	Sheet thickness	Article
90° - a 5.6 mm	8 mm	86777820
90° - a 7 mm	10 mm	86777821
90° - a 8,4 mm	12 mm	86777822
90° - a 10,5 mm	15 mm	86777823
90° - a 14 mm	20 mm	86777824
90° - a 17,5 mm	25 mm	86777825
90° - a 21 mm	30 mm	86777826

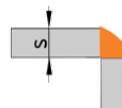
V - Welding



X - Welding



360° ROTATING SHOES			
Model	V welding "S"	X welding "S"	Article
V Flat - 8	8 mm	16 mm	86777829
V Flat - 10/12	10 - 12 mm	20 - 25 mm	86777830
V Flat - 15	15 mm	30 mm	86777831
V Flat - 20	20 mm	40 mm	86777832



90° Corner Outside - Welding "S"

ACCORDING DVS STANDARD		
Model	Sheet thickness "S"	Article
90° Corner Outside 8	8 mm	86777870
90° Corner Outside 10	10 mm	86777871
90° Corner Outside 12	12 mm	86777872
90° Corner Outside 15	15 mm	86777873
90° Corner Outside 20	20 mm	86777874



Special nozzle 180 mm
86777800



Kit Back Handle (on request)



TECHNICAL FEATURES



	UNO	LINK 20	LINK 30	LINK 40	K-SB 50	K-SB 60	SOLO 20	SOLO 30	SOLO 40
Materials	HDPE; PP, PVDF	HDPE; PP, PVDF	HDPE; PP, PVDF	HDPE; PP,	HDPE; PP,	HDPE; PP,	HDPE; PP,	HDPE; PP,	HDPE; PP,
Max. Output HDPE the output varies according to the material)	1 Kg/h rod Ø 4 mm 2.2 lb rod Ø 5/32"	2,2 Kg/h rod Ø 4 mm 4.8 lb rod Ø 5/32"	3,2 Kg/h rod Ø 5 mm 7 lb rod Ø 3/16"	4 Kg/h rod Ø 5 mm 8.8 lb rod Ø 3/16"	5 Kg/h rod Ø 5 mm 11 lb rod Ø 3/16"	6,2 Kg/h rod Ø 5 mm 13,6 lb rod Ø 3/16"	2,2 Kg/h rod Ø 4 mm 4.8 lb rod Ø 5/32"	3,2 Kg/h rod Ø 5 mm 7 lb rod Ø 3/16"	4 Kg/h rod Ø 5 mm 8.8 lb rod Ø 3/16"
Usable rod Ø	3-4 mm 1/8" - 5/32"	3-4 mm 1/8" - 5/32"	3-4-5 mm 1/8" 5/32" 3/16"	4-5 mm 5/32" 3/16"	4-5 mm 5/32" 3/16"	4-5 mm 5/32" 3/16"	3-4 mm 1/8" - 5/32"	3-4-5- mm 1/8" 5/32" 3/16"	4-5 mm 5/32" 3/16"
Weldable foils sheet (thickness)	4 ÷ 12 mm 5/32" - 0.47"	1,5 ÷ 20 mm 1/16" ÷ 0.8"	1,5 ÷ 30 mm 1/16" ÷ 1.1"	1,5 ÷ 30 mm 1/16" ÷ 1.1"	1,5 ÷ 40 mm 1/16" ÷ 1.5"	1,5 ÷ 40 mm 1/16" ÷ 1.5"	1,5 ÷ 20 mm 1/16" ÷ 0.8"	1,5 ÷ 30 mm 1/16" ÷ 1.1"	1,5 ÷ 30 mm 1/16" ÷ 1.1"
Temperature control	Double	Double	Double	Double	Double	Double	Single	Single	Single
Lateral fix air flow	-	-	-	-	✓	✓	-	-	-
360° rotating air flow and welding shoe	✓	✓	✓	✓	On request	On request	✓	✓	✓
Graphic display	✓	✓	✓	✓	✓	✓	✓	✓	✓
Potentiometer	✓	✓	✓	✓	✓	✓	✓	✓	✓
Security sistem motor block / cold start	✓	✓	✓	✓	✓	✓	✓	✓	✓
Optional handle	Standard	-	-	-	✓	-	-	-	-
Dimensions cm inch	with handle 35 x 27 x 96 14x10.7x3.7 without handle 35 x 17 x 96 14x6.8x3.7	51 x 26 x 10 20 x 10.2 x 4.3	54 x 26 x 10 21.2x 10.2 x 4.3	64 x 26 x 10 25.2x 10.2x4.3	Back Handle 72 x 26 x 10 28.3x10.2x4.3 Pistol Grip Handle 60 x 33 x 10 23.6x12.9x4.3	73 x 26 x 10 28.3x10.2x4.3	45 x 31 x 10 17.7x12.2x4.3	50 x 31 x 10 16.9 x 12.2 x 4.3	55 x 31 x 10 21.6x12.2x4.3
Power supply	110 V - 60 Hz 230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz	230 V 50/60 Hz
Absorbed power	1750 W	3100 W	3500 W	3500 W	4000 W	4200 W	2700 W	3100 W	3300 W
Weight	3,4 Kg 7,5 lb	6,5 Kg 14.3 lb	6,8 Kg 15 lb	7,6 Kg 16.7 lb	9 Kg 19.8 lb	9,3 Kg 20.5 lb	6,85 Kg 15.1 lb	7,1 Kg 15.6 lb	7,6 Kg 16.7 lb

CADDY - ARM & VEST FOR STARGUN LINK/SOLO

Product code 97800193



WEIGHT REMOVAL



CADDY ARM & VEST is the solution designed by Ritmo for those who use welding extruders continuously. Thanks to a cushioning articulated arm, CADDY enables complex and fluid operator movements with the minimum effort. It can be used with Link and Solo series.

Two technical solutions are offered as standard.

A moving platform on which the cushioned system is installed. It is height-adjustable over one metre and enables both horizontal and vertical welding.

A vest for the operator that enables free movement with the stabilized arm

Weight vest	3,6 kg
Weight stabilized arm	2,4 Kg
Weight collar for Link	1 Kg
Weight collar for Solo	0,6 Kg
Weight stabilized platform	63 Kg
Total weight KIT	70,6 Kg
Dimensions stabilized base plate	700 x 700 x 1570 mm
Height-adjustability on stabilized base plate	1 m



FLOW LINE: NO LIMITS

FLOW Line is used for a limitless applications and sectors: plastic works, construction, material recycling, bumpers fixing, signage and so on.

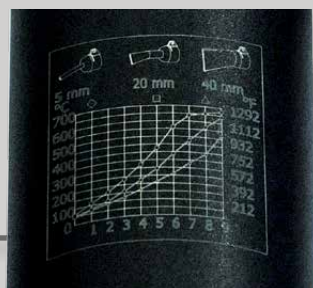
Through a precise hot airflow (maximum temperature at 700° C) is possible to weld a plastic rod, performing repairs, bending materials, shaping, creating joints, overlapping sheaths and sheets, drying non-flammable paints and varnishes, defrosting etc.

The HD-PRO and SPHERA models integrate powerful fan to guarantee a precise hot airflow that is necessary to use the tool at its best.

The STYLO model is equipped with a temperature power regulator but it is very light and versatile as well, in fact it uses an external compressed air supply. These characteristics make STYLO compact and handy. STYLO is supplied with round nozzle 5 mm cod 67204000

A large number of tips and accessories are available! Providing new solutions to always welding at best.

All models are available in 120V or 230V.



Graduated temperature scale on HD-PRO and SPHERA models.



HD-PRO



SPHERA



STYLO



	HD-PRO	SPHERA	STYLO
Power supply	1650 W 120 V 50/60 Hz 1500 W 230 V 50/60 Hz	1650 W 120 V 50/60 Hz 1500 W 230 V 50/60 Hz	1300 W 120 V 50/60 Hz 1500 W 230 V 50/60 Hz
Output Temperature	MAX 700° C	MAX 700° C	20 ÷ 700° C
Air demand Air quantity	-	-	80 ÷ 250 l/min
Noise level	< 70 dB	< 70 dB	-
Weight	1,4 Kg with connection cable	1,2 Kg with connection cable	0,4 Kg
Protection class	II (double insulated)	II (double insulated)	II (double insulated)



Round nozzle 5 mm
cod 67204000
Standard composition
with STYLO model

NOZZLES FOR ALL MODELS



Speed welding
round nozzle 3 mm
cod 67205010



Speed welding
round nozzle 4 mm
cod 67205011



Speed welding
round nozzle 5 mm
cod 67205012



Tacking tip
cod 67205015



Speed welding
triangular 5 mm
cod 67205013



Speed welding
triangular 5,7 mm
cod 67205000



Speed welding
triangular 7 mm
cod 67205001



Speed welding
triangular 7,5 mm
cod 67205014



Adapter with
female thread M10
cod 67204007

NOZZLES FOR ALL MODELS



Tacking tip with
thread M10
cod 67205004



Triangular nozzle
5 mm with
thread M10
cod 67205008



Triangular nozzle
5,7 mm with
thread M10
cod 67205002



Triangular nozzle
7 mm with
thread M10
cod 67205003



Triangular nozzle
7,5 mm with
thread M10
cod 67205009



Tacking tip
hooked with
thread M10
cod 67205017



Round nozzle
3 mm with
thread M10
cod 67205005



Round nozzle
4 mm with
thread M10
cod 67205006



Round nozzle
5 mm with
thread M10
cod 67205007

ACCESSORIES AND SPARE PARTS



Flat nozzle
20 mm
cod 67204002



Flat nozzle
20 mm 15°
cod 67204215



Flat nozzle
40 mm
cod 67204003



Flat perforated
nozzle 40 mm
cod 67204004



Shrink round
nozzle 15 mm
cod 67204005



Shrink reflector
cod 67205016



Weld seam slide
cod 67205021



Pressure roller
1-armed 28 mm
bearing mounted
cod 67206994



Pressure roller
2-armed 45 mm
bearing mounted
cod 67207000
cod 67206998



Pressure roller
1-armed 45 mm
bearing mounted
cod 67207001
cod 67206997



Pressure roller
80 mm
bearing mounted
cod 67207002
cod 67206996



Pressure roller
5 mm for round
wire
cod 67207005



Pressure roller
1-armed 45 mm
and 45°
bearing mounted
cod 67207006
cod 67206995



Grooving tool
cod 67207011



Quarter moon
knife
cod 67207010



Seam tester
cod 67207014



Insulating tube
cod 57214011



Heating element
230 V - 1500 W
cod 57102007

POLYFUSION 3 AND 4: SHEET WELDING MACHINES



- Folding lateral supports with bearing balls for easy sheet movements
- High density of locking clamps: they provide an homogeneous pressure distribution capable of stopping both thick and thin sheets, and working with long or short sheets.
- Led lights through the entire welding area.
- New Ritmo “AirPlus” system allows to complete a welding cycle even in the event of an unexpected fault of the air supply in your building.
- A PLC control panel allows the operator to program the working cycle quickly with the help of an intuitive touch screen.
- The “Adjusty” system automatically adjusts the distance between heating plate and machine edge according to the thickness of the sheets. With thin sheets the system permits a welding without overlapping while for thick sheets enough space for the bead is guaranteed
- Internal memory for unlimited number of welds.
- Download report in CSV format.
- USB port.
- Unlimited sets of welding parameters (customized or preferred) easy to be recalled.
- Wide range of optionals and accessories to expand its functionality.

Pneumatic sheet welding machines

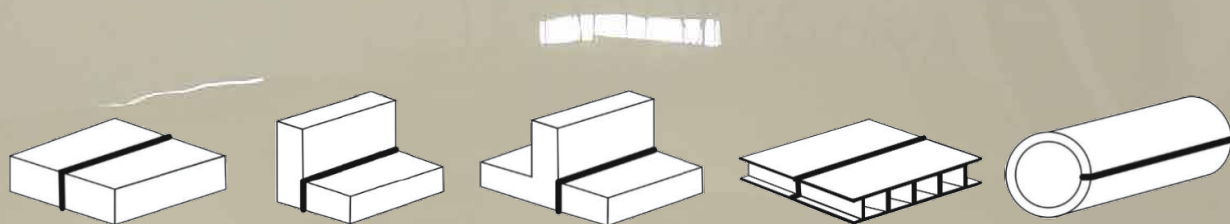
CNC welding cycle

Compliant with welding standards DVS 2207

PE (DVS 2207-1); PP (DVS 2207-11); PVC-U (DVS 2207-12); PVC-C (DVS2207-13); PVDF (DVS 2207-15)

Weldable materials: PVC, PE, PP, PVDF; and PE, PP twin wall sheet

Welding range* 3 ÷ 50 mm solid sheet; max 60 mm twin wall sheet



VERSATILE

- **Polyfusion 3**
welds up to 3 mt width
Working pressures:
minimum 7 bar - maximum 9,5 bar
- **Polyfusion 4**
welds up to 4 mt width
Working pressures:
minimum 7 bar - maximum 8 bar
- Materials: PVC, PE, PP, PVDF
- Designed for both solid and twin wall sheets
- Welds from 3 mm to 50 mm thickness; 60 mm twin wall sheet
- Suitable for small size sheets welding

PRECISE

- High density locking clamps that provide an homogeneous pressure distribution
- Three configurable clamps heights
- Led lights through the entire welding area
- Graduated scales to set the sheet in position
- Constant stabilizing pressure control

COMPLETE

- Type of butt fusion welding:
Straight
90 ° welding **
T welding **
Circular welding **
- 4 independent welding areas
- CNC welding cycle
- Set of parameters store and recall
- PLC control panel
- 12" touch screen
- Remote control and analysis
- Diagnostic feature
- Software update via USB

** Accessory on request



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