



Technical Textiles & Industrial Fabrics

Plastic Welding Training

Leister Technologies AG

BL_TEX 2015 09 15



We know how.

Technical Textiles & Industrial Fabrics

Content

- **Applications**
- **Products**
- **Hands-on training**

Technical Textiles & Industrial Fabrics

Applications

Signs & Banners



Truck Tarpaulins



Sun & wind protection



Covers



Tents



Flat hoses & filters



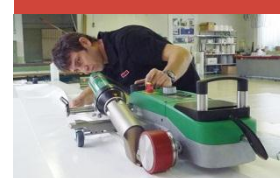
Architecture



Inflatables



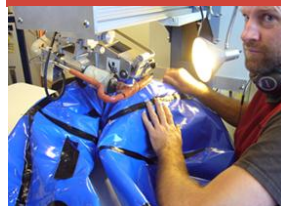
Pool



Outdoors & Apparel



Protective clothing



Liquid & gas tanks



Technical Textiles & Industrial Fabrics

These two segments represent more than 80% of the industrial fabric sales.

Billboards and Print Textiles



Hundreds of UNIPLAN E & TRIAC units are used worldwide

Truck Tarpaulins



Very strong in Europe as is more common to use coated PVC for cargo protection

Sun & wind protection



Covers



Tents



Flat hoses & filters



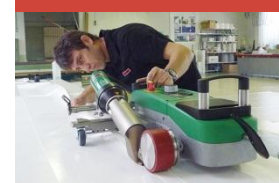
Architecture



Inflatables



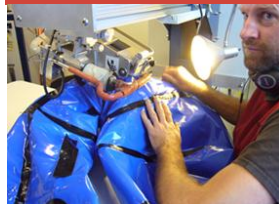
Pool



Outdoors & Apparel



Protective clothing



Liquid & gas tanks



Transportation

Truck Tarpaulins



Tarpaulin bows welded with the
TAPEMAT «Spriegel»

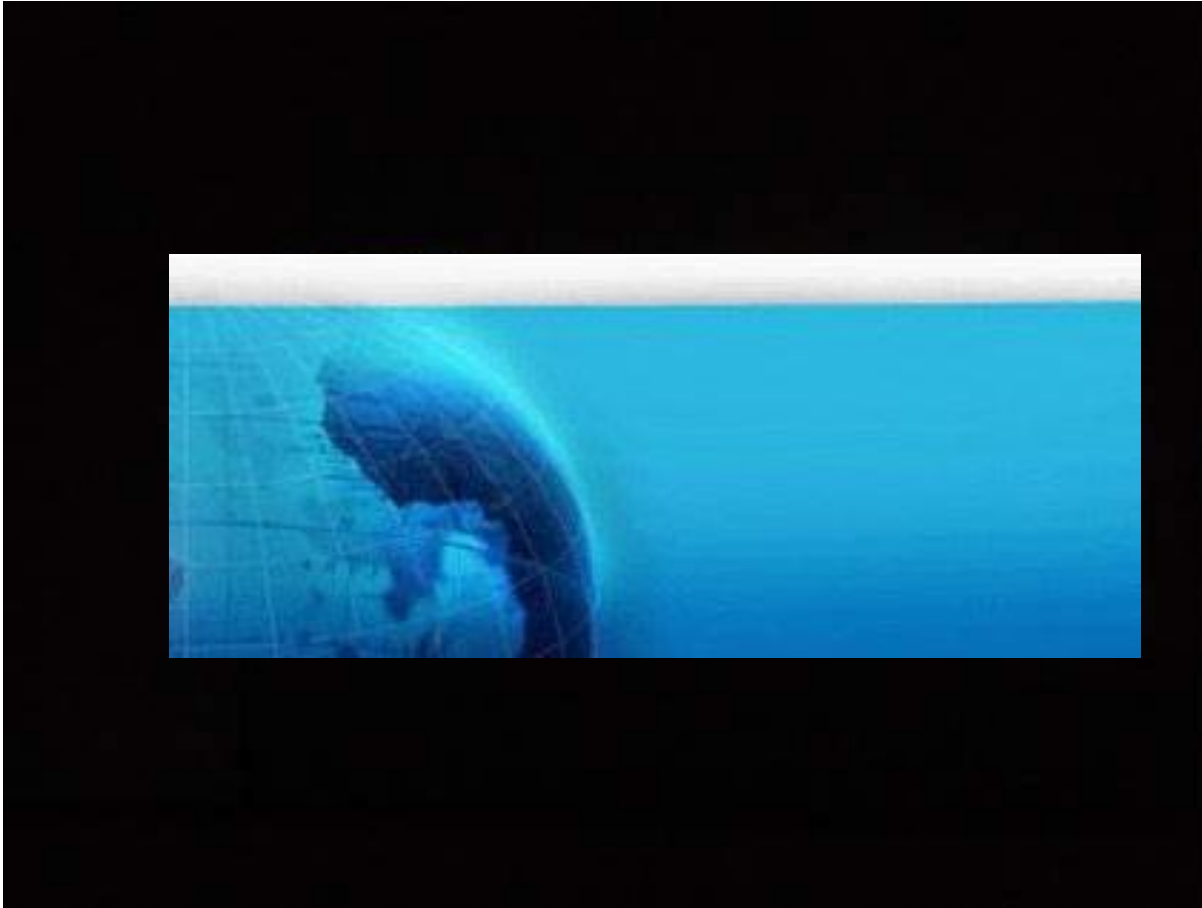
Belt straps welded with TAPEMAT

Truck tarpaulins welded with VARIANT T1



Billboards & Print Textiles

Backlit Billboards



Backlit billboards, welded with VARIANT T1 and VARIANT T1 TAPE

Billboards & Print Textiles

Frontlit Billboards



Large-screen advertisement, Frontlit billboards welded with VARIANT T1 and UNIPLAN E

Billboards & Print Textiles



Building renovation, mesh material
welded with VARIANT T1 and
UNIPLAN E



Billboards & Print Textiles

Signs and Banners



Banners and signs, welded with UNIPLAN E and UNIPLAN S

Textile Building

Tents

Party tent – fastest welding with
VARIANT T1, VARIANT T1 with
piping-kit and UNIPLAN E



Textile Building



Temporary halls and
hangars welded with
VARIANT T1

Textile Building



Temporary halls for protection of archaeological excavation and construction welded with VARIANT T1

Pool

Pool covers and roller shutter



Flexible separable wall with PVC tarpaulin

Pool-covers made of coated mesh can be easily welded with VARIANT T1



Sun & wind protection

Sun-blinds



This sun-blind was produced with the UNIPLAN E and acrylic tapes

Sun blinds, welded with UNIPLAN E, VARIANT T1 or TAPEMAT



Inflatables

Life boats



Life boats made of PVC welded with VARIANT T1

Flat hoses & filters

Ventilation tubes



Ventilation tubes welded with UNIPLAN E and VARIANT T1

Inflatables

Systems for flood protection and gas tanks



Flood protection systems made of
PVC welded with UNIPLAN E

Gas tank cushion welded with
VARIANT T1 and UNIPLAN E



Inflatables

Advertisement pillars



Advertisement pillars and gates - eye catchers
on large events - welded with UNIPLAN E



Inflatables



Inflatable jumper made of
PVC, welded with UNIPLAN E

Inflatables

Arts objects



Artistic building wrapping welded with
UNIPLAN E



LEISTER

Products / Welding machines

- UNIPLAN
- VARIANT T1
- TAPEMAT



UNIPLAN E

Hot air welding machine



Features

- small, light and handy
→ **only 11.5kg**
- reproducible results
controlled, precise and fast
→ **up to 7.5m/min**
- 2 basic versions:
→ **20mm nozzle / 30mm nozzle**
- accessories:
De-Reeler Kit.
Piping welding- Kit
Hem welding- Kit

UNIPLAN S

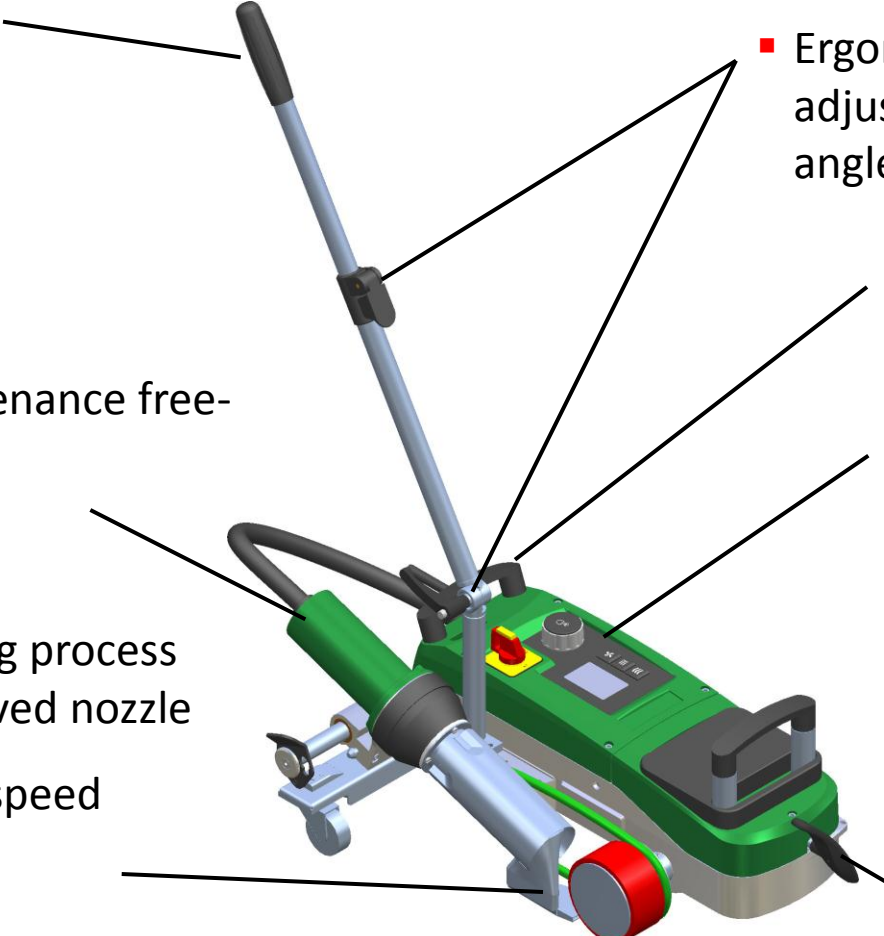
Hot air welding machine



Features

- small, light and handy
→ **only 11.5kg**
- intuitive, simple operation
precise and fast
→ **up to 7.5m/min**
- 2 basic versions :
→ **20mm nozzle / 30mm nozzle**
- accessories :
Handle
Additional weight
Guide bar
Piping welding- Kit
Hem welding- Kit

VARIANT T1

- 
- Easily guided
 - Ergonomic guide bar adjustable in length and angle
 - Carrying and guiding handle
 - Clear display
 - "e-Drive"
 - Pre-set welding profiles.
 - Improved electronic protection
 - Smooth running lifting device
 - Powerful, maintenance free-blower
 - Excellent welding process thanks to improved nozzle
 - Higher welding speed

Variant T1 Tape

Perfect thread

The guiding rollers make it easy to position the tape till the last centimeter.

High-tech nozzles

Reliable welding process thanks to special nozzle for each application.

Double usage

The pressure roller can be fast converted from 50 mm TAPE to 25 mm anti-vandalism TAPE or vice versa.



Overlap to TAPE conversion kit

Newly designed main plate, tape holder and nozzle support to be assembled easy and fast.

User-friendly

Clear display with "e-drive" and pre-set welding profiles.

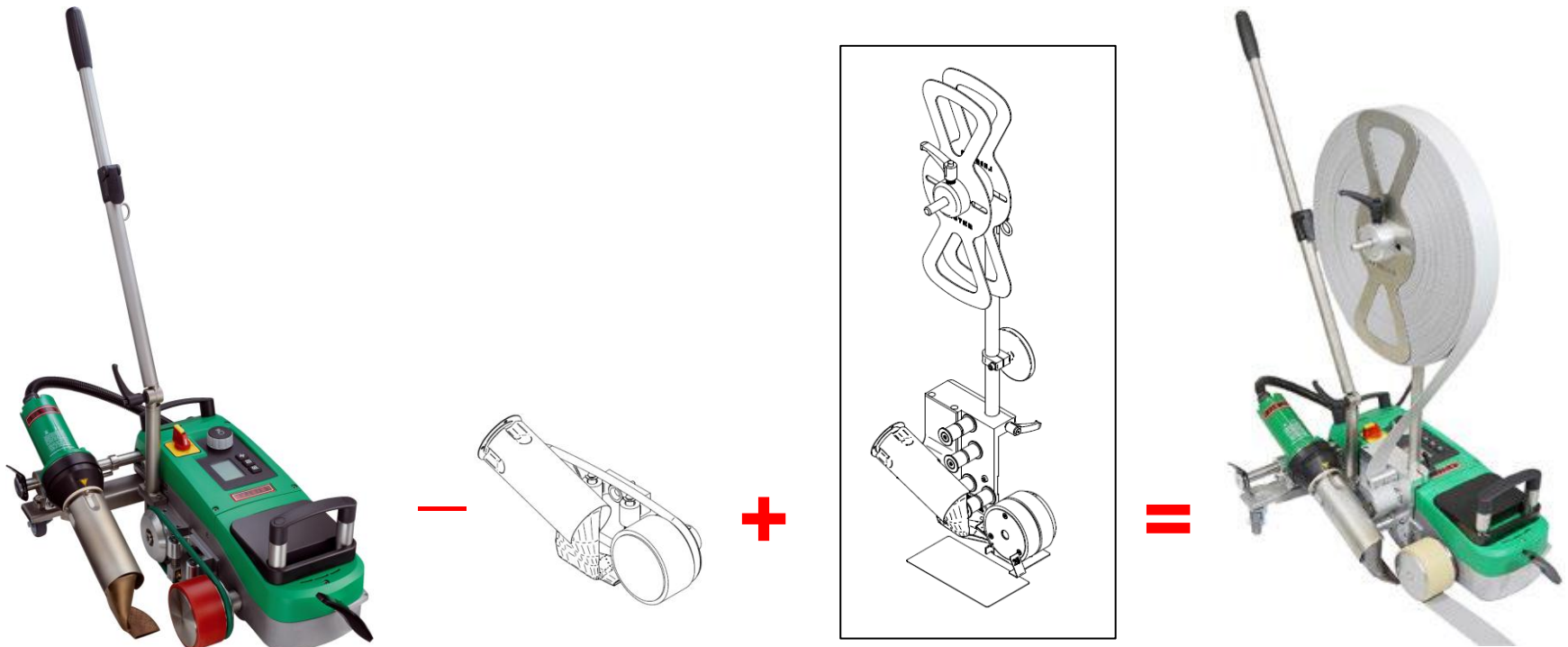
VARIANT T1 TAPE 50 mm

Variant T1 Tape

For the VARIANT T1, overlap current versions, the clients can order kits to convert from overlap to tape, as following:

148.961 Conversion kit from overlap to TAPE 25 mm

148.962 Conversion kit from overlap to TAPE 50 mm

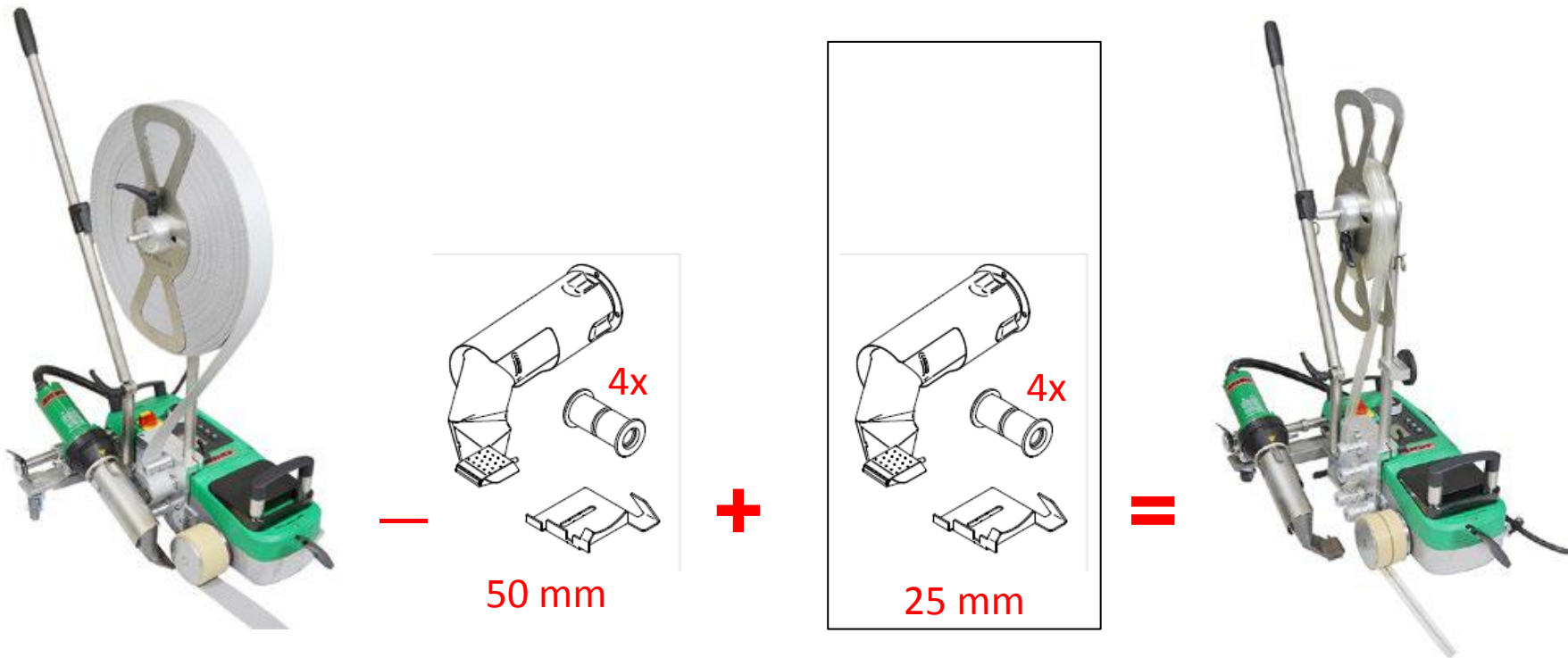


Variant T1 Tape

For the VARIANT T1 TAPE versions, clients can order kits to convert from TAPE 25 mm to TAPE 50 mm or vice versa, as following:

149.652 Conversion kit from TAPE 25 mm to TAPE 50 mm

149.653 Conversion kit from TAPE 50 mm to TAPE 25 mm



TAPEMAT

Hot air welding machine



Features

- The world's fastest 50mm tape welder
→ **up to 20m/min!**
- 1 Basic - version:
→ **50mm nozzle**
- intuitive, simple operation
- constant tape tension
- maintenance-free, brushless blower motor
- width welding 50mm
- Accessory: **trolley attachment**

TAPEMAT <<Spriegel>>

Hot air welding machine



Features

- The world's fastest Spriegel (tarpaulin bows) welding machine
→ **up to 20m/min!**
- 2 Basic - Versions:
→ **100mm nozzle / 125mm nozzle**
- intuitive, simple operation
- constant tape tension
- maintenance-free, brushless blower motor
- Welding seam width 2 x 20mm
- Accessory: **trolley attachment**

TAPEMAT <<Spriegel>>

Advantages



perfect air flow, extra fast welding



simple operation



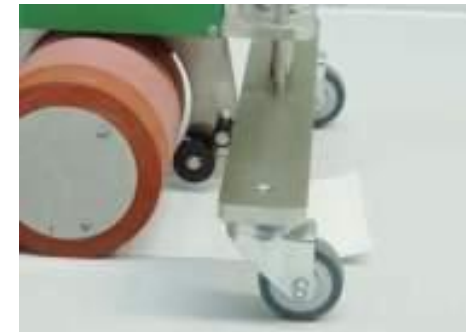
back-protecting work possible



100/125mm tarpaulin bows weldable with maximum speed



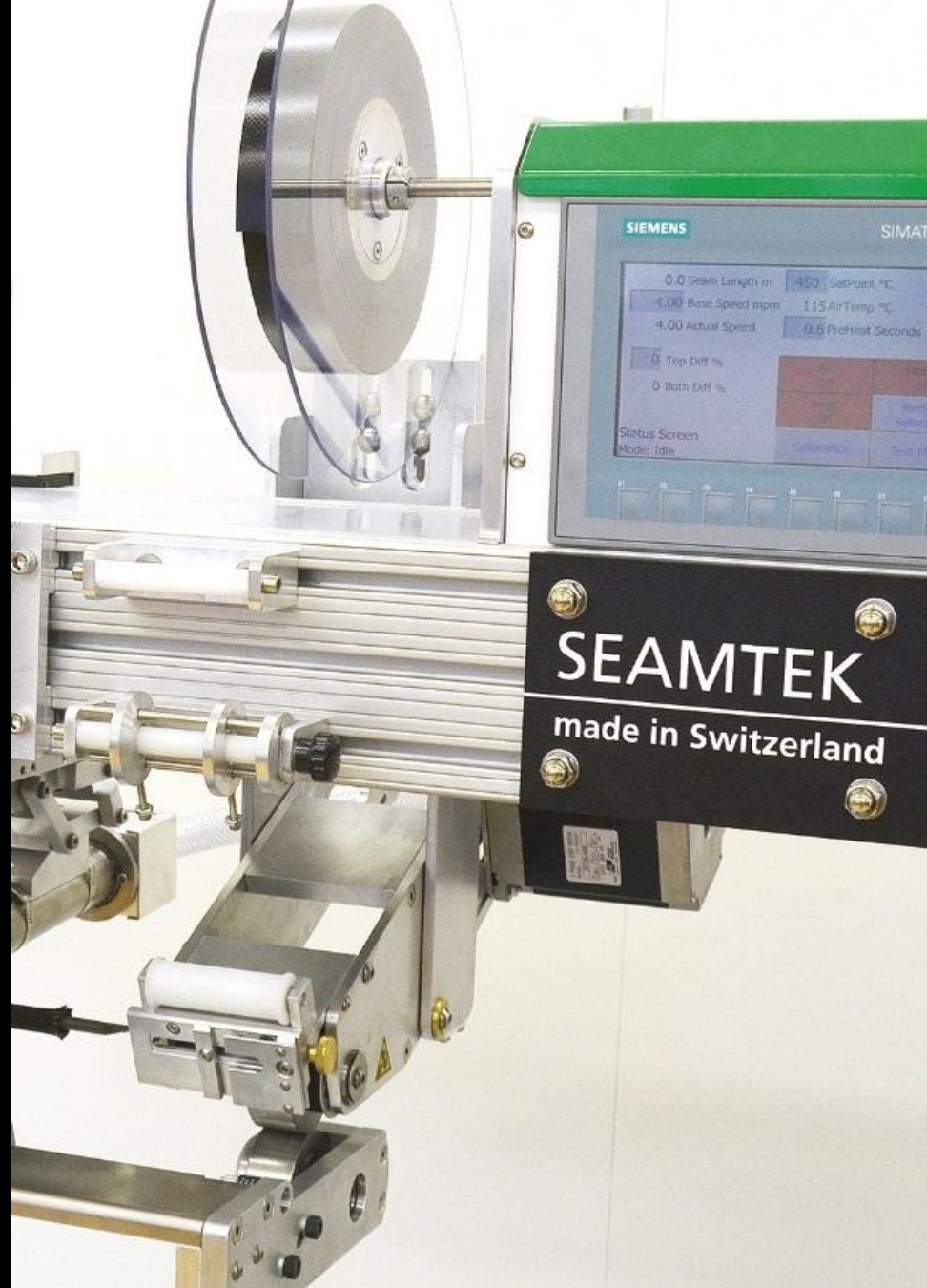
tension brake disc, constant tape tension



optional: robust trolley attachment



Welding machines **SEAMTEK 36**



We know how.

SEAMTEK 36

Specifications

Extreme flexible and versatile



Specification

Voltage	230/240 V
Frequency	50/60 Hz
Power	3400/3'900 W
Temperature	35–700°C
Speed m/min	0.25-22 m/min
Size (LxWxH)	1.58x0.72x1.54m
Weight	330 kg
Regulated weld pressure	1-6.2 bar
Maintained	6.2 bar

SEAMTEK 36

Features

Extreme flexible and versatile



- **Quick adaptable to various applications**
(Side arm, Quick arm & Pedestal)
- **Quick adjustable to various weld width, drive wheels and nozzles from 8-64mm**
- **Lots of workspace, adjustable for close to any application**
- **Three independent arms to guarantee maximum efficiency and most possible workspace to handle material**
- **Various material guides**
- **Very efficient as seam and/or tape welder**
- **Digitally controlled welding process**
- **Strong independent driven step motors**
- **Multilanguage touchscreen control**
- **Test programs to find the ideal welding parameters**

SEAMTEK 36

Welding arm options

Extreme flexible and versatile

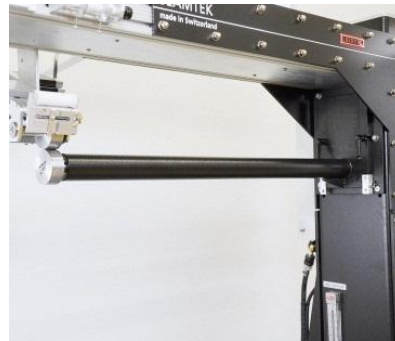


Pedestal

Standard

Mostly used for:

- 3D applications
- Taping
- Overlap
- Hem
- Keder
- Hem with Pocket

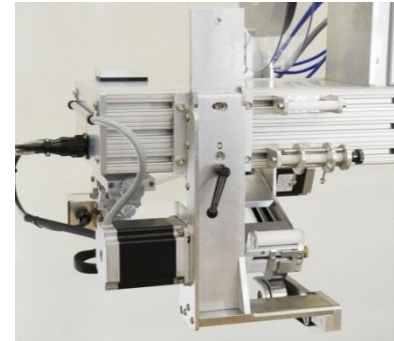


Sidearm

Optional available

Mostly used for:

- Taping
- Attaching boots
- Assemble short tubes
- Circumference taping
- Caps
- Overlap
- Hem / Hem with cord (Keder)

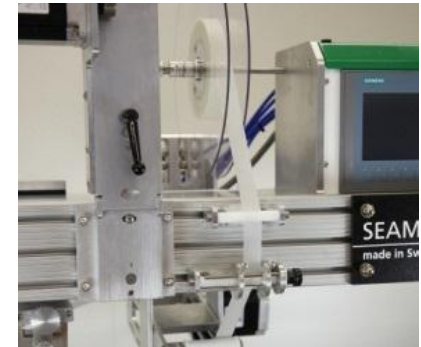


Quickarm

Optional available

Mostly used for:

- Ventilation tubes
- Repair tubes
- Filter tubes
- Overlap



Tape Delivery System (TDS)

Optional available

Mostly used for:

- Taping



**Thank you for your
attention**

Leister Technologies AG

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