

Civil engineering and tunnel construction with Leister.

Powerful and reliable.



Leister delivers performances.

Wherever you need to apply heat, Leister provides the ideal solution. We have been the worldwide leader in the field of plastic welding and hot-air blowers for over 50 years. For several years now we have also been offering innovative and effective laser systems and microsystems. We develop and produce all of our products in Switzerland – so you can always rely on the proverbial Leister quality. And because 98% of our production is exported, therefore, we have established a dense network of service centers throughout the world – guaranteeing excellent service anytime and anywhere.



Leister Corporate Center, Kaegiswil, Switzerland

LEISTER



Plastic Welding

For decades now, we have been the worldwide market leader. The proverbial performance and reliability of our products makes Leister the first choice. Our tools are used in roof sealing systems, floor coverings, plastic sheeting, in earthworks, hydraulic and tunnel engineering, in process equipment manufacturing and for vehicle repair.

NOVOLAS



Lasersystems

Our innovative solutions for precision welding of plastics open up new production methods in automobile manufacturing, in medical and sensory technology, electronics, as well as in micro-systems technology or in solde-ring electronic components.

LEISTER



Process heat

Whether for activation, heating, curing, melting, shrinking, welding, sterilization, drying or warming: hot-air is increasingly deployed in industrial processes. Leister customers profit from our extensive engineering knowledge and benefit from our advice in the conceptual design of hot-air applications.

a::etris



Microsystems

In tomorrow's world, the smallest of structures will play a huge role! In order for our customers to keep ahead of the field in the future, we are already developing and producing micro-mechanical sensors and micro-optical components in our cleanroom today. Leister in action all over the world. Whether it's a landfill site, crab farm, canal or mine: if plastic sheeting needs to be reliably and tightly welded, Leister equipment sets the standard. Here is a small selection of the projects to which Leister has contributed.



Geomembranes in road construction, Switzerland



Crab farm in Thailand





Canal and artificial lake system in Dubai



The longest railway tunnel in the world, Switzerland







Landfill site in the USA



Tunnel construction in Germany

When it really matters, you can rely on Leister.

The long-lasting, resilient machines are 100% made in Switzerland. They process PE-HD, PE-LD, PE-C, PVC-P, PP, PFA, ECB, EVA and TPO – basically all current thermoplastics. Simple operation with a clear display. Welding speed and temperature are precisely controlled.



PVC-P

70 mm steel

2.0 – 3.0 mm

50 mm steel

1.0 – 2.0 mm



The handy COMET is suitable for a wide range of uses, including vertical welding.

Perfect welding on steep areas is achievable with the COMET.

The ASTRO can also be adjusted for special liner sheets, such as profiled protective sheets.

Wedge welding machine

COMET

The world's smallest and lightest compact machine with a integrated control box. The special wedge with optimized heat transfer guarantees top welding performance.

• Sophisticated drive technology, designed to meet the highest demands

- Digital display of temperature and speed
- Optional data recording on memory card possible
- Controlled temperature and drive
- User-friendly
- A practical, robust carrying case is included in the delivery

Technical Data

| Voltage | V~ | 230 |
|--------------------------------|-------|---------------------|
| Power consumption | W | 1500 |
| Frequency | Hz | 50 / 60 |
| Temperature | °C | 20 - 420 |
| Speed | m/min | 0.8 – 3.2 |
| Welding pressure | Ν | 100 - 1000 |
| Material thickness | mm | see chart page 4 |
| Memory card recording | | optional |
| Size (L \times W \times H) | mm | 295 × 250 × 245 |
| Weight | kg | 7.5 (with 3 m cord) |
| Marking of conformity | | CE |
| Approval mark | | ٤ |
| Protection class I | | |
| | | |

Article no with Euro plug Accessories page 14

107.538 Further models on request

Wedge welding machine

ASTRO

The world's fastest hot-wedge welding machine welds at up to 5 meters per minute — and, of course, the welding seams are also perfect at this speed.



- High welding performance
- Digital display of temperature, speed and voltage
- Extra-practical one-handle operation
- Steplessly adjustable welding pressure
- Controlled temperature and drive
- · A practical, robust carrying case is included in the delivery

| Technical Data | | |
|--------------------------------|-------|----------------------|
| Voltage | V~ | 230 |
| Power consumption | W | 1800 |
| Frequency | Hz | 50 / 60 |
| Temperature | °C | 20 - 420 |
| Speed | m/min | 0.8 - 5.0 |
| Welding pressure | Ν | 100 – 1500 |
| Material thickness | mm | 1.5 – 3.0 |
| Size (L \times W \times H) | mm | 430 × 270 × 310 |
| Weight | kg | 23.0 (with 3 m cord) |
| Marking of conformity | | CE |
| Approval mark | | \$ |
| Certification scheme | | CCA |
| Protection class I | | |

Article no with Euro plug Accessories page 14

117.100 Further models on request



The COSMO in use on a landfill covering.



Leister equipment cases suitable for use on building sites.

Wedge welding machine

COSMO

With up to 2500 Newton and 2000 Watts heating power, the Leister COSMO is the benchmark for the highest welding force. Moreover, Leister offers a special design with process control and data recording.



- Process control by direct measuring and recording of welding pressure
- Digital display of temperature, speed, pressure and welding length
- Optional speed control
- Welding log for quality assurance
- Controlled temperature and drive
- BAM tested and approved

Technical Data

| Voltage | V~ | 230 |
|--------------------------------|-------|----------------------|
| Power consumption | W | 2000 |
| Frequency | Hz | 50 / 60 |
| Temperature | °C | 20 - 450 |
| Speed | m/min | 0.5 – 5.0 |
| Welding pressure | Ν | 100 – 2500 |
| Material thickness | mm | 1.5 – 3.0 |
| Memory card recording | | optional |
| Printer | | optional |
| Size (L \times W \times H) | mm | 600 × 380 × 450 |
| Weight | kg | 32.0 (with 5 m cord) |
| Marking of conformity | | CE |
| Approval mark | | \$ |
| Protection class I | | |

110.271

Combiwedge welding machines

TWINMAT

With a high air flow of 500 l/min and 2500 newton welding force, the TWINMAT produces perfect welding seals, even under humid conditions.



- Process control by direct measuring and recording of welding pressure
- Digital display of temperature, speed, pressure and welding length
- Optional speed control
- Up to 5 mm material thickness for HD-PE
- · Controlled temperature and drive
- BAM tested and approved

Technical Data Voltage V~ 400 Power consumption W 5800 Frequency Ηz 50 / 60 Temperature °C 20 - 620 Speed m/min 0.5 - 5.0 Welding pressure 100 - 2500 Ν Air flow (20°C) l/min 500 Material thickness 1.5 – 5.0 mm Memory card recording optional Printer optional Size ($L \times W \times H$) mm $600 \times 690 \times 450$ 32.0 (with 5 m cord) Weight kg Marking of conformity Œ (\$) Approval mark CCA Certification scheme Protection class II Article no with Euro plug 107 475 Accessories page 14 Further models on request





TWINNY T with combi-wedge, welding overhead in a tunnel.

TWINNY S with combi-wedge, welding in a South

Combiwedge welding machine

TWINNY T with combi-wedge used to weld a

TWINNY T

HD-PE liner.

The TWINNY T is ideal even for thin materials in civil engineering and tunnel construction. Easy-to-exchange combiwedges are also available with or without a test channel. The display provides information on all the important welding parameters.



- Easy operation
- High welding speed
- Digital display of temperature and speed
- Optional data recording
- Controlled temperature and drive
- Even under harsh environmental conditions perfect welding results thanks to hot-air system
- · A practical, robust carrying case is included in the delivery

Technical Data

| Voltage | V~ | 230 |
|--------------------------------------|-------|----------------------------|
| Power consumption | W | 2300 |
| Frequency | Hz | 50 / 60 |
| Temperature | °C | 20 – 560 |
| Speed | m/min | 0.8 – 3.2 |
| Welding pressure | Ν | 100 – 1000 |
| Air flow (20°C) | l/min | Stufe 2: 150, Stufe 3: 190 |
| Noise emission level L _{PA} | dB | 71 |
| Memory card recording | | optional |
| Size (L \times W \times H) | mm | 340 × 360 × 245 |
| Weight | kg | 6.9 - 7.9 (with 3 m cord) |
| Marking of conformity | | CE |
| Approval mark | | ٤ |
| Protection class I | | |

Article no with Euro plug Accessories page 14 107.562 Further models on request

Combiwedge welding machine

TWINNY S

Low weight and effective version for tunnel construction, the TWINNY S, optimized for overhead welding, is ideal also for thin materials in civil engineering and tunnel construction. Exchangeable combiwedges are also available for welding with or without a test channel.

American mine.



- · Easy operation
- Low weight
- · High welding speed
- Stepless adjustable temperature and drive speed
- Even under harsh environmental conditions perfect welding results thanks to hot-air system
- · Optimised versions for tunnel and civil engineering available
- A practical, robust carrying case is included in the delivery

| Technical Data | | | | |
|--------------------------------------|--------------------|-----------------------------|--------------|----------|
| Voltage | V~ | | 230 | |
| Power consumption | W | | 2900 | |
| Frequency | Hz | | 50 / 60 | |
| Temperature | °C | | 20 - 600 | |
| Speed | m/min | 0.2 - 2.5 | 0.8 - 4 | 1.2 – 6 |
| Welding pressure | Ν | max. 1000 | max. 500 | max. 500 |
| Air flow (20°C) | l/min Level 2: 150 | | | |
| | | | Level 3: 190 | |
| Noise emission level L _{pA} | dB | 71 | | |
| Size (L \times W \times H) | mm | 350 × 390 × 270 | | |
| Weight | kg | g 6.5 – 6.9 (with 3 m cord) | | |
| Marking of conformity | | | Œ | |
| Approval mark | | \$ | | |
| Certification scheme | | CCA | | |
| Protection class II | | | | |

| Article no with Euro plug | 119.027 | 119.008 | 128.808 |
|---------------------------|--------------|---------------|---------|
| Accessories page 14 | Further mode | ls on request | |



TRIAC DRIVE PID welding overhead in the tunnel construction.

Semi automatic welding tool

TRIAC DRIVE PID

Horizontal, vertical, diagonal. This tried and tested semi-automatic welding machine can be used universally. The increased welding speed compared with manual welding gives rise to higher productivity.



- Overlap welding of liner sheeting for civil engineering, tunnel and roof applications
- Small and compact
- · Steplessly adjustable speed for high welding seam quality
- · Can be used in the most confined spaces
- Different welding seam widths
- · A practical, robust carrying case is included in the delivery

Technical Data

| Voltage | V~ | 230 |
|--------------------------------|-------|----------------------|
| Power consumption | W | 1700 |
| Frequency | Hz | 50 / 60 |
| Temperature | °C | 20 - 600 |
| Speed | m/min | 0.5 – 3 |
| Noise emission level LpA | dB | 65 |
| Welding seam width | mm | 30 40 |
| Size (L \times W \times H) | mm | 300 × 230 × 380 |
| Weight | kg | 4.15 (with 3 m cord) |
| Marking of conformity | | CE |
| Approval mark | | \$ |
| Certification scheme | | CCA |
| Protection class I | | |
| | | |

Article no with Euro plug Accessories page 14

115.985 Further models on request Tensiometer

EXAMO

Is the welding seam closed and can it withstand the requested peeling, tensile and shearing forces? EXAMO performs right on the construction site – quick, reliable and straight forward.



- · Designed for construction site conditions
- Handy, robust and light
- Digital display of elongation, peak force, tear force, test speed and position
- With optional data recording on a memory card
- · Optional for geotextiles

| Technical Dat | а | | |
|------------------------------|----------|--|---------------------------------|
| Тур | | 300F | 600F |
| Voltage | V~ | 230 | 230 |
| Power consumption | W | 200 | 200 |
| Frequency | Hz | 50 / 60 | 50 / 60 |
| Tensile load | Ν | 4000 | 4000 |
| Jaw spacing | mm | 5 - 300 | 5 - 600 |
| Range | mm | 300 | 600 |
| Testing speed | mm/min | 10 - 300 | 10 – 300 |
| Sample thickness | mm | max. 7 | max. 7 |
| Sample width | mm | max. 40 (60 optional) | max. 40 (60 optional) |
| Force sensor | | yes | yes |
| USB recording | | optional | optional |
| Size $(L \times W \times H)$ | mm | $750 \times 270 \times 190$ (storage case) | 1050 × 270 × 190 (storage case) |
| Weight | kg | 14 | 17.5 |
| Marking of conformity | | CE | CE |
| Approval mark | | \$ | \$ |
| Protection class I | | | |
| | | | |
| Article no with E | uro plug | 113.060 | 113.061 |



Welding connections using TRIAC PID with push-fit wide slot nozzle.

Hand tool

TRIAC PID

Thanks to micro-processor controlled temperature and electronic monitoring. The preferred hand tool for welding with high quality.



Welding a patch with TRIAC PID on a building site in Dubai.

Hand tool

TRIAC S

The reliable, cost-effective and proven hand tool with steplessly controlled temperature range.



- Reproducible results thanks to digital display of set and actual temperature
- Welding results independent of voltage fluctuations and ambient temperature
- Adaptor tube with heat protection
- Electronic heating element protection
- Motor shut-off at minimal carbon level
- Suitable for continuous operation
- Multiple replacement of carbon brushes possible

Technical Data

| Voltage | V~ | 230 |
|------------------------------|-------|-----------------------|
| Power consumption | W | 1600 |
| Frequency | Hz | 50 / 60 |
| Temperature | °C | 50 - 600 |
| Air flow (20°C) | l/min | 230 |
| Size (L $\times \emptyset$) | mm | 340 × 90, handle Ø 56 |
| Weight | kg | 1.4 (with 3 m cord) |
| Marking of conformity | | CE |
| Approval mark | | ٤ |
| Certification scheme | | CCA |
| Protection class II | | |

- Adaptor tube with heat protection
- Electronic heating element protection
- Motor shut-off at minimal carbon level
- Multiple replacement of carbon brushes possible
- Suitable for continuous operation
- Insensitive to damp

| Technical Data | | |
|------------------------------|-------|-----------------------|
| Voltage | V~ | 230 |
| Power consumption | W | 1600 |
| Frequency | Hz | 50 / 60 |
| Temperature | °C | 20 – 700 |
| Air flow (20°C) | l/min | 230 |
| Size (L $\times \emptyset$) | mm | 340 × 90, handle Ø 56 |
| Weight | kg | 1.4 (with 3 m cord) |
| Marking of conformity | | CE |
| Approval mark | | \$ |
| Certification scheme | | CCA |
| Protection class II | | |

Article no with Euro plug Accessories page 14 100.705 Further models on request

A special class of hand extruders.

Not for nothing is Leister the global market leader for equipment for welding geomembranes in civil engineering. In addition to the robust and reliable welding machines, Leister offers top class hand extruders for PE and PP sheeting. They are ideally trimmed for outside use and offer high functionality, unique ergonomics and technical refinement. The different manufactured sizes and amounts of output enable the welding to be adjusted to the individual needs of the user.





WELDPLAST S6 undertaking assembly applications on a landfill site.

The handy WELDPLAST S2 welding vertically.

Digitally regulated hand extruder

WELDPLAST S6

The most powerful hand extruder on the market. It was designed specially for the requirements of civil engineering. The product is a hand extruder with convincing performance and comfortable handling.

Digitally regulated hand extruder

WELDPLAST S2

Its futuristic design is not only pleasing to the eye: the new WELDPLAST S2 feels great in your hand and will become your indispensable partner. Despite its small size, the compact device produces up to 2.3kg of extrudate an hour.



- Compact housing design reduces noise and guarantees
 optimal cooling for the electronics and drive
- Illuminated graphic display
- Microprocessor to regulate the welding process and to monitor the tool
- Menu with function programs
- High-performance preheating
- Both sided twist-free wire intake
- Simple rotatable handle
- Complies with DVS (German Welding Association) standards

Technical Data

| Voltage | V~ | 230 |
|--------------------------------|------|--|
| Power consumption | W | 5300 |
| Frequency | Hz | 50 / 60 |
| Material | | PE / PP |
| Welding rod | mm | Ø 4 or Ø 5 |
| Output (HDPE) | kg/h | 3.9 - 6.0 |
| Size (L \times W \times H) | mm | $821 \times 116 \times 240$ (without welding shoe) |
| Weight | kg | 14 (without cord) |
| Marking of conformity | | CE |
| Protection class I | | |

Civil engineering welding shoe and preheating nozzle included in delivery
Article no with Cekon plug 134.318
Accessories page 15



- Ergonomic design
- Screw extruder with integrated hot air blower for preheating material and welding seam
- 360° rotating welding shoe
- Lower noise, high performance gearbox
- Multifunctional display
- Double-sided, non-twisting wire feed of 3 mm or 4 mm wire
- Maintenance-free blower
- Freely adjustable handgrip
- A practical, robust carrying case is included in the delivery

Technical Data Voltage V~ 230 Power consumption W 3000 50 / 60 Frequency Hz Material PE / PP / PVC on request Welding rod Ø 3 or Ø 4 mm Welding (HDPE \emptyset 3) PE 0.6 - 1.3 PP 0.5 - 1.2 kg/h Welding (HDPE \emptyset 4) PE 1.0 - 2.3 PP 0.9 - 2.0 kg/h Size $(L \times W \times H)$ $450 \times 98 \times 260$ (without welding shoe) mm Weight 5.8 (without cord) kg Marking of conformity Œ (\$ Approval mark CCA Certification scheme 4 Protection class I

Welding shoe blank included in delivery, PVC and TPO versions on request Article no with Euro plug 127.215 Accessories page15



The FUSION 3 is particularly suitable for hard-to-reach areas.



Both sided twist-free wire intake



Sturdy, reliable drive unit



FUSION 3

FUSION



360° rotating welding shoe



Simple combination of preheating air and plastic heating



The operating grip lies optimally in the hand.



Transport case for Leister hand extruder.



Thanks to its length, the FUSION 3 is particularly suitable for civil engineering applications.

Air heated hand extruder

FUSION 3

With its long and slim construction, the FUSION 3 allows pleasant working even on the ground. For the heating of the plastic mass and pre-heating air, one single hot air ventilator is sufficient.

Air heated hand extruder

FUSION 3C

Despite its simple and symmetrical construction, the FUSION 3C hand extruder achieves an output of up to 3.5 kg/h. A single hot-air blower is sufficient for heating the plastic filler and preheated air.



- Screw extruder with integrated hot air blower for preheating material and welding seam
- Compact and handy
- Integrated electronics for stepless adjustment of the preheating temperature and output quantity
- The motor start-up protection prevents cold start
- 360° rotating welding shoe
- Air flow up to 450 l/min
- Twist-free welding rod feed for 3 mm or 4 mm rod

Technical Data Technical Data

| recinical Data | | |
|--------------------------------|------|---|
| Voltage | V~ | 230 |
| Power consumption | W | 3500 |
| Frequency | Hz | 50 / 60 |
| Material | | PE / PP |
| Welding rod | Ømm | 3 or 4 |
| Output (HDPE Ø 4) | kg/h | 2.0 - 3.5 |
| Size (L \times B \times H) | mm | $670 \times 90 \times 180$ (without welding shoe) |
| Weight | kg | 7.2 (without cord) |
| Marking of conformity | | CE |
| Approval mark | | \$ |
| Certification scheme | | CCA |
| Protection class II | | |
| | | |

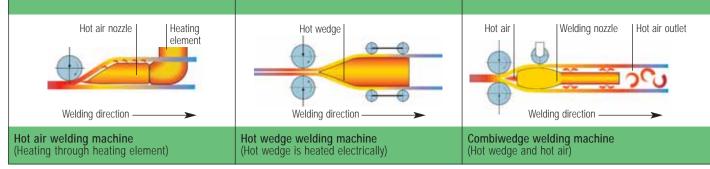
Article no with Euro plug Accessories page 15 118.300



- Screw extruder with integrated hot air blower for preheating material and welding seam
- Discharge quantity up to 3.5kg/h
- Compact and handy
- The motor start-up protection prevents cold start
- Both sided twist-free wire intake
- 360° rotating welding shoe
- Integrated electronics for stepless adjustment of the preheating temperature and output quantity
- · A practical, robust carrying case is included in the delivery

Technical Data Voltage V~ 230 Power consumption W 2800 50 / 60 Frequency Ηz Material PE/PP Temperature °C up to 350 Plastification-Temperature °C up to 320 Welding rod $\varnothing\,{\rm mm}$ 3 or 4 Output PE kg/h 1.6 - 3.5 Size ($L \times B \times H$) 588 × 98 × 225 (without welding shoe) mm 6.9 (with 3 m cord) Weight kq Marking of conformity Œ Approval mark (\$) CCA Certification scheme Protection class II

Article no with Euro plug123.866Accessories page15



Leister is the only manufacturer to offer all possible types of welding systems worldwide.

Accessories for civil engineering and tunnel construction

| | | ingineering and tanne | | | |
|--------------------|--|--|-------|---------|---|
| | 110.051 | Test kit for welding fittings | S | 112.974 | Cross handle |
| U – | | | لوا | | > COMET > TWINNY |
| | 106.950 | Welding fitting PE | | 115.275 | Double supporting carrier |
| | | | Ø | | > TRIAC DRIVE |
| | 110.052 | Test kit with injector needle | e e e | 115.276 | Single supporting carrier |
| | | | | | > TRIAC DRIVE |
| U | | | | 100.517 | Short combiwedge, 50 mm with test channel |
| (B ^a V) | 109.795 | Vacuum bell Ø 320 mm | | 100.518 | Short combiwedge, 50 mm without test channel |
| | | | | | > TWINNY T > TWINNY S |
| | 134.832 | Testing and calibration kit | | 100.525 | Long combiwedge, 50 mm with test channel |
| | | | | 100.526 | Long combiwedge, 50 mm, without test channel |
| | | > EXAMO | | | > TWINNY T > TWINNY S |
| | | | | | |
| | 106.975 | One-arm pressure roller 40 mm, with ball bearings (silicon) | P | 115.283 | Overlap welding nozzle 12 mm, with grip, inside, push-fit |
| | | | | 115.279 | Overlap welding nozzle 30 mm, with grip, inside, push-fit |
| | 106.976 | Pressure roller 28 mm (PTFE) | | 115.281 | Overlap welding nozzle 38 mm, with grip, inside, push-fit |
| | | | | 115.699 | Overlap welding nozzle 12 mm, without grip, inside, push-fit |
| | 407 400 | | S | 115.701 | Overlap welding nozzle 30 mm, without grip, inside, push-fit |
| | 107.123 | Wide slot nozzle 20 mm, push-fit | | 115.703 | Overlap welding nozzle 38 mm, without grip, inside, push-fit |
| | | > TRIAC PID > TRIAC S | | | > TRIAC DRIVE |
| | | | | | |
| | 107.132 | Wide slot nozzle 40 mm, push-fit | | 115.282 | Overlap welding nozzle 12 mm, with grip, outside, push-fit |
| | | | | 115.278 | Overlap welding nozzle 30 mm, with grip, outside, push-fit |
| | | > TRIAC PID > TRIAC S | | 115.280 | Overlap welding nozzle 38 mm, |
| | 107.135 115.274 115.176 115.712 | Wide slot nozzle 40 mm, | | | with grip, outside, push-fit |
| | | PTFE coated push-fit | J. | 115.698 | Overlap welding nozzle 12 mm, without grip, outside, push-fit |
| | | > TRIAC PID > TRIAC S | | 115.700 | Overlap welding nozzle 30 mm, without grip, outside, push-fit |
| | | Pressure roller 12 mm | | 115.702 | Overlap welding nozzle 38 mm, |
| | | Pressure roller 30 mm Pressure roller 38 mm | | | without grip, outside, push-fit |
| \sim | | > TRIAC DRIVE | | | > TRIAC DRIVE |
| | | | | | |



Flawless test welding with the combi-wedge welding machine TWINNY T.

Accessories Hand extruder



Testing of a welding seam with testing unit and injector needle.

| | 118.094 | Welding shoes blank complete 50 × 30 × 38 mm > FUSION 3 | 2019 | 117.053 | Preheating nozzle small > WELDPLAST S6 |
|---|--------------------|--|----------|--------------------|--|
| | 119.214 | Welding shoes blank complete 70 × 50 × 47.5 mm > FUSION 3 | 201 | 117.518 | Preheating nozzle medium > WELDPLAST S6 |
| | 118.890 119.185 | Welding shoe complete, overlap 25 mm Welding shoe complete, overlap 35 mm | 823 | 117.055 | Preheating nozzle large > WELDPLAST S6 |
| | | > FUSION 3 | \sim | 119.188 119.190 | Welding shoe complete, overlap 25 mm Welding shoe complete, |
| | | | D o | 135.901 | overlap 35 mm Welding shoe complete, overlap 40 mm |
| | | | | 119.222 | > WELDPLAST S6 |
| | | | \wedge | | Welding shoes blank complete $70 \times 50 \times 47.5 \text{ mm}$ |
| 2 | 118.188 | Welding rod de-reeler | 0 | 119.217 | Welding shoes blank complete 50 x 40 x 38 mm |
| V | | | | | > WELDPLAST S6 |

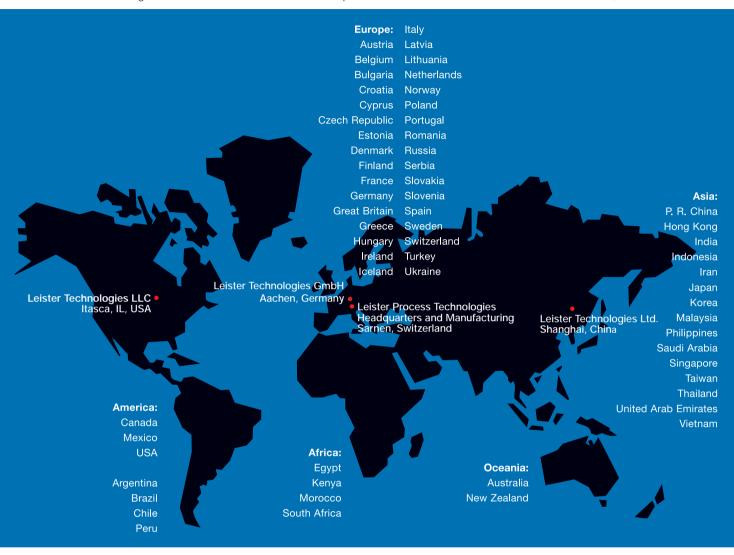


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Leister Process Technologies is an ISO 9001:2000 certified enterprise. Specifications are subject to change without prior notice



Our close worldwide network of more than 120 Sales and Service Centres in more than 60 countries.

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