Flooring
2019/2020

Flooring and Interior Decoration
Everything for welding to the floor
Dear Leister customers

Vinyl sheet flooring installers need reliable welding tools, and reliable results are a must as it is not cost effective to test every welded seam. Leister floor tools and automatic welders provide the highest quality repeatable results by supplying constant temperature, pressure, and speed during operation.

A floor that is properly welded is critical when it comes to hygienically sensitive surfaces. This is why most floors in public buildings such as hospitals or schools need to be welded properly, as well as in public transportation facilities such as planes, trains, or buses. A high-quality weld is also required in residential construction or offices in order to satisfy design requirements or to achieve a specific design.

Leister’s ergonomic floor tools will support you in any situation and guarantee reliable and economic operation. We maintain a global and close-knit service and distribution network that provides fast, reliable service.

Over the following pages, please view our extensive flooring installation tool selection through which Leister can support you in your work.

I hope you enjoy reading our brochure!

Silvan Horand
Flooring Product Manager
Welding and Pointing

For flooring applications with surface areas that have hygienic requirements which are also exposed to moisture (wet rooms) or in rooms subject to intensive wet cleaning, properly welded floors are a must.

The Welding Process

Adhesive recommended by the manufacturer is required installing linoleum and rubber. Usually 0.12 to 0.2 inch welding rod of the same material, that is recommended by the manufacturer is used for welding PVC or TPU surfaces.

Before welding, the seam edges are grooved to approx. 2/3 of the thickness of the surface and then heat seam welded with the welding rod.

It is important that the welding rod is fully melted into the milled surface created by the groover. The rod is then trimmed level to the surface in two steps using the Leister quarter-moon knife: In the first stage, the rod is trimmed using the half moon knife and slide immediately after welding/pointing. A second pass is made with the knife once the welded seam has completely cooled down. This prevents the welding rod from being trimmed below the level flooring material and produces an even, flush surface.

Welding in 4 Steps

Grooving

The flooring material must be glued to the substrate using the adhesive recommended by the manufacturer.

Caution: Before grooving, the adhesive between the substrate (screed) and the floor covering must be dry.

A groove is then milled in the floor covering using the GROOVER.

Caution: Work step by step: Groove first, then weld.

Different blades are used depending on the floor welding application.

Caution: This will depends upon the welding and the properties of the flooring material.

The cutting depth is determined based on the following (Fig. 1):

- A maximum of half of the welding rod diameter.
- No more than 2/3 of the flooring material thickness

Welding – preparation

The milled groove must be positioned in the center of the seam, otherwise the weld will not be adequate (Fig. 2).

Caution: Before beginning the weld, a separate weld test must always be performed to verify the heat, speed and temperature settings are correct for each application.

The welding parameters must be set so that a weld bead forms (Fig. 3).

<table>
<thead>
<tr>
<th>Material</th>
<th>Manual welding temperature</th>
<th>Automatic welding temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linoleum</td>
<td>Approx. 572–752°F</td>
<td>Approx. 752–842°F</td>
</tr>
<tr>
<td>PUR/TPU</td>
<td>Approx. 662–752°F</td>
<td>Approx. 842–932°F</td>
</tr>
<tr>
<td>PVC</td>
<td>Approx. 662–842°F</td>
<td>Approx. 842–1022°F</td>
</tr>
</tbody>
</table>

A welding nozzle with a narrow air outlet must be used in order to avoid any impairment to the surface covering.

Caution: An impairment only becomes visible after several cleaning cycles.

Short welded seams are more easily welded with a TRIAC ST/AT or the HOT JET S than a MINIFLOOR or UNIFLOOR machine.
Welding – implementation
Welding with an automatic welder (UNIFLOOR / MINIFLOOR)
Is recommended for time savings and precise / repeatable welded seam results.
  - Constant (high) speed
  - Constant pressure
  - Constant temperatures (UNIFLOOR E / MINIFLOOR with TRIAC AT)

Manual welding (TRIAC / HOT JET S / GHIBLI)
Recommended for short grooves, repairs, or transitions
For a consistent weld quality, the following must be taken into consideration:
  - As constant a speed as possible
  - As constant a pressure as possible
  - Constant temperature (TRIAC AT)

Cutting – step 1
The first detachment procedure takes place when the welding rod is not yet cool using a sharpened quarter-moon knife and a slide attachment.
  **Caution:** It is essential that the welding wire is cut in two stages. This prevents the weld from sagging below the level surface. (Fig. 4).

Cutting – step 2
The second trimming procedure only takes place when the welded seam has cooled down. The cut is made flush to the surface covering using the quarter moon knife again.

The second cut takes place after the first cut and after a rest period.
  - Rest period for linoleum approx. 15 minutes
  - Rest period for PVC approx. 5 minutes

The surface is now able to bear a load and can be cleaned (Fig. 5).
  - Rest period for linoleum until it can bear a full load approx. 12 hours
  - Rest period for PVC until it can bear a full load approx. 1 hour
The benefits of Leister at a glance:

**Robust device components**
- Lower cost of ownership due to maintenance-free brushless drive and blower motors
- Durable high quality heating elements
- Corrosion-resistant weights

**Performance**
- Faster welding speeds and precise repeatable results
- An automatic welder can also shorten the process by eliminating steps in the process
- Leister tools with digital settings compensate for power quality issues and eliminate power problems that are typical at industrial locations and construction sites.

**Service**
- Support and device demonstration by our field service representatives
- Everything available from a single source thanks to a wide product range
- Tight distribution network with short delivery times
- Leister guarantees for 7 years after a tool is discontinued
- Fast repair and service
Overview

Hot-air hand tools
Flooring

Hot-Air Hand Tools

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ELECTRON ST 12 / 13
HOT JET S 15

Flooring / Interior Decoration

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UNIFLOOR E / UNIFLOOR S 18
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GROOVER 22
GROOVY 23
General accessories 24

Promotes the life of the floor.

For aseptic applications.

Suitable for frequent cleaning.
Overview
Hot-air hand tools

<table>
<thead>
<tr>
<th>Typ</th>
<th>TRIAC AT</th>
<th>TRIAC ST</th>
<th>ELECTRON ST</th>
<th>HOT JET S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area of application</td>
<td>For welding resilient floor coverings</td>
<td>For welding resilient floor coverings</td>
<td>For welding resilient floor coverings</td>
<td>For welding resilient floor coverings</td>
</tr>
<tr>
<td>Electronic</td>
<td>Close loop</td>
<td>Open loop</td>
<td>Open loop</td>
<td>Open loop</td>
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<tr>
<td>Catalog page</td>
<td>10 / 11</td>
<td>11</td>
<td>12 / 13</td>
<td>15</td>
</tr>
</tbody>
</table>

*The parameters listed are purely reference values (room temperature 68°F). A test weld which takes into account the information provided by the material manufacturer is absolutely essential.

Closed-loop system
The closed-loop technology means that the parameters are kept constant at all times, even in the event of voltage fluctuations, enabling reliable welding in the building site environment.
Overview
Flooring

<table>
<thead>
<tr>
<th>Typ</th>
<th>GROOVY</th>
<th>GROOVER</th>
<th>MINIFLOOR</th>
<th>UNIFLOOR</th>
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</thead>
<tbody>
<tr>
<td>Area of application</td>
<td>Cordless Grooving machine for elastic floor coverings</td>
<td>Grooving machine for resilient floor coverings</td>
<td>Drive unit for welding resilient floor coverings</td>
<td>Welder for welding resilient floor coverings</td>
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<tr>
<td>Groove wide mm</td>
<td>2.8 / 3.5</td>
<td>2.5 / 2.8 / 3.5 / 4.0</td>
<td>2.5 - 4.0</td>
<td>2.5 - 4.0</td>
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<tr>
<td>Groove depth mm</td>
<td>0.0 - 6.0</td>
<td>0.0 - 4.0</td>
<td>2.5 - 4.0</td>
<td>2.5 - 4.0</td>
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<tr>
<td>Speed ft/min</td>
<td></td>
<td></td>
<td>1.6 - 14</td>
<td>3.3 – 24.6</td>
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<tr>
<td>Temperature °F</td>
<td>-</td>
<td>-</td>
<td>104 - 1,148 (with TRIAC AT)</td>
<td>176 - 1,148</td>
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<tr>
<td>Air flow range %</td>
<td>-</td>
<td>-</td>
<td>20 - 100 (with TRIAC AT)</td>
<td>50 - 100</td>
</tr>
<tr>
<td>Voltage V</td>
<td>120 / 230</td>
<td>120 / 230</td>
<td>100 - 230</td>
<td>120 / 230</td>
</tr>
<tr>
<td>Frequenz Hz</td>
<td>-</td>
<td>-</td>
<td>50 / 60</td>
<td>50 / 60</td>
</tr>
<tr>
<td>Power W</td>
<td>90</td>
<td>160</td>
<td>2300</td>
<td></td>
</tr>
<tr>
<td>Weight lbs</td>
<td>5.5</td>
<td>14.7</td>
<td>11.6</td>
<td>14.5</td>
</tr>
<tr>
<td>Size inches</td>
<td>17.5 x 8.3 x 13.2</td>
<td>9 x 8 x 10</td>
<td>12 x 8.8 x 9.6</td>
<td>19.5 x 8.5 x 11.6</td>
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<tr>
<td>Cable length ft</td>
<td>-</td>
<td>10</td>
<td>10</td>
<td>10</td>
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</table>

Startup parameters*

<table>
<thead>
<tr>
<th>Materials</th>
<th>Linoleum, PVC, TPU, PU</th>
<th>Linoleum (Phase 1)</th>
<th>PVC, TPU, PU (Phase 2)</th>
<th>Linoleum</th>
<th>PVC, TPU, PU</th>
<th>Linoleum</th>
<th>PVC, TPU, PU</th>
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</thead>
<tbody>
<tr>
<td>Speed ft/min</td>
<td>-</td>
<td>16</td>
<td>32</td>
<td>4.9</td>
<td>6.3</td>
<td>9.8</td>
<td>9.8</td>
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<tr>
<td>Temperature °F</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>752 - 842</td>
<td>932 - 1022</td>
<td>752 - 842</td>
<td>932 - 1022</td>
</tr>
<tr>
<td>Air flow range %</td>
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<td>-</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
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Catalog page

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<th>20 / 21</th>
<th>22</th>
<th>16 / 17</th>
<th>18</th>
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</thead>
</table>

*The parameters listed are purely reference values (room temperature 20°C). A test weld which takes into account the information provided by the material manufacturer is absolutely essential.

Weld Geometries / Welding Methods

Draw Welding (Speed Welding)

Hand tools

This welding method requires the use of a speed welding nozzle. Preheat the surfaces to the appropriate temperature. The surfaces are plasticized by hot air and joined under consistent downward pressure.
TRIAC AT: Robust and intelligent.

The TRIAC AT is an intelligent hot air handtool designed for welding and shrinking plastic and therefore the perfect instrument at construction sites. It meets the needs of a demanding professional: ergonomic design, safe handling, modern look. Every tool is subject to extensive quality control before leaving the factory in Switzerland. This high-quality hot air handtool is ready for every application and can handle any number of universal uses.

Product advantage

1. **Energy saving:**
   Saves up to 40% energy if ECO is activated. The built-in motion sensor knows when the tool is not in operation and reduces the blower level to its minimum speed, which means up to 40% energy saving.

2. **Always keep your cool:**
   Protective tube with active cooling for more safety at work.

3. **Key Lock:**
   The easily activated key lock (e-Drive button lock/unlock) prevents accidental parameter adjustment.

4. **Voltage monitoring:**
   The TRIAC AT shows, at the push of a button, the current mains voltage (quality checking before the welding process).

5. **Robust air filters:**
   The air filters which are located on either side can be easily removed and cleaned. This ensures optimal air flow and maximum performance.

6. **Best protection:**
   The filters offer active protection against moisture and dust.
TRIAC ST: Design meets experience

The new TRIAC ST from Leister is primarily used for welding and plastic fabrication. During its development, a deliberate choice was made to do without extra technical features. Instead it is distinguished by comfort, being reliable versatile, robust and user friendly, like its predecessor the TRIAC S. A prominent feature here is the two-component handle, which is not only attractive, but also gives the user perfect grip. The low weight of less than 1 kg/2.18 lbs ensures a perfect weight balance.

**Hot-air hand tool**

**TRIAC AT**

- Suitable for the work site
- Closed loop controlled temperature
- Open loop controlled air volume
- Intelligent «e-Drive» operating unit with key Lock
- Restart protection function
- ECO Energy saving function

**Technical data**

| Voltage | 100 / 120 / 230 |
| Frequency | 50 / 60 |
| Power | 1500 / 1600 / 1600 |
| Temperature | °F 104 – 1292 |
| Air volume (68°F) | cfm 8.5 (17.7 at max. temp) |
| Dynamic pressure | Pa 3000 |
| ø Nozzle holder | inches 1.24 |
| Emission | dB(A) 67 |
| Size (L × ø) | inches 13 × 4, handle ø 2 |
| Weight (lbs) | 2 (without power cord) |

**Conformity mark**

- **CE**

**Approval mark**

- **cULus**

**Protection class II**

**Article No.:**

- 141.316 TRIAC AT 120 V/1600 W, US-plug, °F, for push-fit nozzles, cULus
- 141.317 TRIAC AT 100 V/1500 W, JP-plug, for push-fit nozzles
- 141.319 TRIAC AT 120 V/1600 W, CEE ye-plug, for push-fit nozzles
- 141.321 TRIAC AT 230 V/1600 W, AUS-plug, for push-fit nozzles
- 141.323 TRIAC AT 230 V/1600 W, CN-plug, for push-fit nozzles
- 141.382 TRIAC AT 120 V/1600 W, US-plug, °C, for push-fit nozzles, cULus

**TRIAC ST**

- Suitable for the work site
- Functional design: two-component handle grip and optimum center of gravity ensure good ergonomics
- Quick clean air filters
- Automatic carbon stop and heating element protection provide automatic protective measures

**Technical data**

| Voltage | 100 / 120 / 200 / 230 |
| Frequency | 50 / 60 |
| Power | 1500 / 1600 / 1600 / 1600 |
| Temperature | °F 104 – 1148 |
| Air volume (20°C) | cfm 5.7 - 8.5 (17.7 at max. temp) |
| Dynamic pressure | Pa 3000 |
| ø Nozzle holder | inches 1.24 |
| Emission | dB(A) 67 |
| Size (L × ø) | inches 13 × 4, handle ø 2 |
| Weight (lbs) | 2 (without power cord) |

**Conformity mark**

- **CE**

**Approval mark**

- **cULus**

**Protection class II**

**Article No.:**

- 141.228 TRIAC ST 120 V/1600 W, US-plug, for push-fit nozzles, cULus
- 141.230 TRIAC ST 100 V/1500 W, JP-plug, for push-fit nozzles
- 141.308 TRIAC ST 120 V/1600 W, CEE ye-plug, for push-fit nozzles
- 141.310 TRIAC ST 230 V/1600 W, AUS-plug, for push-fit nozzles
- 141.312 TRIAC ST 230 V/1600 W, CN-plug, for push-fit nozzles
- 143.841 TRIAC ST 200 V/1600 W, JP-plug, for push-fit nozzles

**LEISTER**
ELECTRON ST – Strong, compact and handy

The new ELECTRON ST is a real powerhouse among Leister’s hand tools. The appearance of this tool has been modeled after the new TRIAC range. For the user, this means improved ergonomics and, as a result, the ability to work in more comfort. Existing ELECTRON nozzles fit the new model.

Product advantages

1. **Powerful:** Suitable for any application thanks to its outstanding power rating of up to 3400 W.

2. **Perfectly ergonomical:** 3.5 ounces lighter and with a two-component handle that’s nearly 1/2 inch slimmer than its predecessor.

3. **Infinitely adjustable:** Easy air temperature adjustment up to 1202°F.

4. **Clean:** Air filters, located on either side, can be removed and cleaned in no time at all.

5. **Compatible:** All predecessor nozzles fit the ELECTRON ST.
Hot-air hand tool

**ELECTRON ST**

- Suitable for construction sites
- Leister's most powerful hand tool
- Easy-clean air filter
- Carbon stop and heating element protection provide automatic protective measures
- Sturdy tool case supplied

**Technical data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>V~ 230 / 230 / 120</td>
</tr>
<tr>
<td>Frequency</td>
<td>Hz 50 / 60</td>
</tr>
<tr>
<td>Power</td>
<td>W 2300 / 3400 / 2400</td>
</tr>
<tr>
<td>Temperature</td>
<td>°F 104 – 1202</td>
</tr>
<tr>
<td>Air volume (68°F)</td>
<td>cfm 12.7 (24.7 at max. temp)</td>
</tr>
<tr>
<td>Dynamic pressure</td>
<td>Pa 3400</td>
</tr>
<tr>
<td>Ø Nozzle holder</td>
<td>mm 50</td>
</tr>
<tr>
<td>Emission</td>
<td>dB(A) 67</td>
</tr>
<tr>
<td>Size (L × Ø)</td>
<td>inches 13 × 4, handle Ø 2</td>
</tr>
<tr>
<td>Weight</td>
<td>lbs 2 (without power cord)</td>
</tr>
<tr>
<td>Conformity mark</td>
<td>CE</td>
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<td>Approval mark</td>
<td></td>
</tr>
<tr>
<td>Protection class II</td>
<td></td>
</tr>
</tbody>
</table>

**Article No.**

145.562 ELECTRON ST, 120 V/2400 W for push-fit nozzles with US plug
145.574 ELECTRON ST, 230 V/3400 W for push-fit nozzles, without plug

**Accessories, ELECTRON ST**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>107.270</td>
<td>Wide slot nozzle 6” × 0.5” (150 x 12 mm), push-fit</td>
</tr>
<tr>
<td>151.068</td>
<td>Tool rest (recommended)</td>
</tr>
<tr>
<td>142.281</td>
<td>Scraper nozzle</td>
</tr>
<tr>
<td>148.933</td>
<td>Protective tube</td>
</tr>
<tr>
<td>145.606</td>
<td>Heating elements</td>
</tr>
<tr>
<td>149.675</td>
<td>230 V / 2200 W</td>
</tr>
<tr>
<td>145.604</td>
<td>120 V / 2300 W</td>
</tr>
</tbody>
</table>
HOT JET S: Small and powerful.

As the most compact Hot-air hand tool from Leister, the lightweight (1.3 lbs.) HOT JET S (including cord and slim handle) ensures high-powered, fatigue-free welding. Especially suited to facilitate tasks in difficult to access areas.

- The smallest Leister hot-air hand tool
- Stepless, electronically controlled temperature
- Stepless, electronically controlled air flow
- Low noise
- Flexible, integrated tool stand

**Hot-air hand tool**

**HOT JET S**

![HOT JET S Hot-air hand tool](image)

**Accessories HOT JET S**

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>107.144</td>
<td>Ø 0.2” (5 mm), tubular nozzle</td>
</tr>
<tr>
<td>131.867</td>
<td>Ø 0.2” (5 mm), tubular nozzle, 90° angled</td>
</tr>
<tr>
<td>105.567</td>
<td>Ø 0.2 × 6” (5 x 150 mm) extension nozzle, straight</td>
</tr>
<tr>
<td>105.431</td>
<td>0.12” (3 mm) speed welding nozzle, with small air-slide, push-fit on Ø 0.2” (5 mm) tubular nozzle</td>
</tr>
<tr>
<td>105.432</td>
<td>0.16” (4 mm) speed welding nozzle, with small air-slide, push-fit on Ø 0.2” (5 mm) tubular nozzle</td>
</tr>
<tr>
<td>105.433</td>
<td>0.2” (5 mm) speed welding nozzle, with small air-slide, push-fit on Ø 0.2” (5 mm) tubular nozzle</td>
</tr>
</tbody>
</table>

**Technical data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage V~</td>
<td>120</td>
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<tr>
<td>Frequency Hz</td>
<td>50 / 60</td>
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<tr>
<td>Power W</td>
<td>460</td>
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<tr>
<td>Temperature °F</td>
<td>104 – 1112</td>
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<tr>
<td>Air volume (68°F) cfm</td>
<td>1.4 – 3.9 (7.1 at max. temp)</td>
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<tr>
<td>Pressure static Pa</td>
<td>230 – 1600</td>
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<tr>
<td>Ø Nozzle holder inches</td>
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<tr>
<td>Emission dB(A)</td>
<td>59</td>
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<tr>
<td>Size (L × Ø) inches</td>
<td>9 x 3, Handle Ø 1.6</td>
</tr>
<tr>
<td>Weight lbs</td>
<td>1.3 (without power cord)</td>
</tr>
</tbody>
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**Conformity mark**

![CE mark]

**Approval mark**

![c mark]

**Protection class II**

**Article No.:**

- 100.859  HOT JET S, 120 V / 460 W with US plug (UL)
- 100.861  HOT JET S, 120 V / 460 W, with US plug
MINIFLOOR – efficient and affordable for everyone!

The MINIFLOOR turns your hot-air hand tool into an automatic welder within seconds; increases the weld quality, facilitates work, and reduces time considerably. Its use is worthwhile from weld lengths of 1.20 m (4 ft.), and thanks to its lightweight design of 5.3 kg (12 lbs.), the MINIFLOOR can be transported effortlessly.

Hot-air welder

MINIFLOOR

1. **Reverse compatibility:** Thanks to the interchangeable inserts, even older TRIAC models can be connected without a hitch.

2. **Tool-free assembly of de-reeler:** Even if the de-reeler is missing you may count on hassle-free handling, as well as smooth feeding of the welding rod into the “air-slide” of the speed welding nozzle.

3. **Incredibly fast:** Despite its lightweight design, the MINIFLOOR offers a welding speed of about 2 m/6.5 ft per minute, nearly double the speed of manual welding.

4. **Quick-lock fastening system:** This system allows for attaching / detaching of the TRIAC in a matter of seconds. The power supply for the hand tool is integrated into the MINIFLOOR drive unit and allows the possibility of securely fastening the cable.

5. **The individually-adjustable, startup delay:** Enables modification of the startup according to individual needs. The long guide ensures outstanding precision along the seam.

6. **51 mm/2 inches minimum distance from the wall:** Ensures trouble-free welding around construction pipes and L-skirts. Due to its compact height, the MINIFLOOR seamlessly welds beneath obstacles with a minimum clearance of 295 mm (12 inches).
The MINIFLOOR is ideal for short joints and small projects.

Hot-air welder / drive unit

MINIFLOOR Drive Unit

- The only automatic welder with capability of connecting a hot-air hand tool in the simplest manner.
- Worthwhile from weld lengths of 1.20 m (4 ft.)
- Swiss quality you can rely on.
- Due to minimum distance of 51 mm (2.2 inches) from the wall, there is only one required joint along the weld seam, and THAT saves time!
- Weighing in at 6.6 kg (15 lbs) (incl. TRIAC AT & nozzles) the MINIFLOOR is a lightweight and easily transportable solution.
- NEW: Improved directional stability!

Technical Data

<table>
<thead>
<tr>
<th>MINIFLOOR</th>
<th>Drive Unit only</th>
<th>with TRIAC AT</th>
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<tbody>
<tr>
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<td>V~ 100 – 230</td>
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<tr>
<td>Air flow range</td>
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<td>Drive speed</td>
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<td>Closed-loop</td>
<td>Closed-loop/Display</td>
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<tr>
<td>Blower</td>
<td>Brush motor</td>
<td></td>
</tr>
<tr>
<td>Welding seam</td>
<td>inch 1.0 / 1.4</td>
<td></td>
</tr>
<tr>
<td>Size (L × W × H)</td>
<td>inch 12 × 9 × 10</td>
<td>20 × 9 × 12</td>
</tr>
<tr>
<td>Weight</td>
<td>lbs 12</td>
<td>15 (incl. Nozzles)</td>
</tr>
<tr>
<td>Conformity marks</td>
<td>CE</td>
<td>CE</td>
</tr>
<tr>
<td>Protection class</td>
<td>I</td>
<td>I</td>
</tr>
</tbody>
</table>

Professional, inexpensive, incredibly versatile: The new MINIFLOOR (TRIAC plus drive unit) for smart professionals.

Accessories MINIFLOOR Drive Unit

<table>
<thead>
<tr>
<th>TRIAC AT / TRIAC ST</th>
</tr>
</thead>
<tbody>
<tr>
<td>All models and part numbers can be found at page 10/11</td>
</tr>
</tbody>
</table>

| 154.266 | Storage case MINIFLOOR |
| 156.531 | Carrying strap for storage case |
| 154.723 | Rubber pads for TRIAC-bracket (old generation Ø 64 mm / 2.5 inch) |
| 100.303 | Ø 5 mm / 0.2 inch, tubular nozzle, push-fit |
| 105.432 | Speed welding nozzle, with small air-slide, push-fit on Ø 5 mm tubular nozzle |
| 105.433 | Ø 5 mm / 0.2 inch (recommended) |
| 154.425 | Replacement guide wheel Guide wheel 0.5 mm / 0.02 inch |
| 159.436 | Guide wheel 2.0 mm / 0.08 inch |
| 163.870 | Additional weight, increases the directional stability. Compatible with previous models |

MINIFLOOR Drive Unit

Article No.:

154.335 MINIFLOOR drive unit, with US/JP-plug; 120 V
154.336 MINIFLOOR drive unit, without plug; 230 V
Scope of delivery: Plastic case, Roller Holder, Rubber pad set Ø 2.25 - Ø 2.4 inch, Rubber pad set Ø 2.5 - Ø 2.6 inch, Velcro fastener 2 pcs, Operating Manual

154.330 MINIFLOOR drive unit, with EU-plug; 230 V
154.334 MINIFLOOR drive unit, with CH-plug; 230 V
154.337 MINIFLOOR drive unit, with UK-plug; 110 V
157.685 MINIFLOOR drive unit, with UK-plug; 230 V
154.338 MINIFLOOR drive unit, with AUS-plug; 230 V
Scope of delivery: Plastic case, Roller Holder, Rubber pad set Ø 2.25 - Ø 2.4 inch, Velcro fastener 2 pcs, Operating Manual

General accessories
UNIFLOOR E / S: A jack of all trades.

With the UNIFLOOR E you can weld floor coverings made of PVC-P, PE, linoleum and modified thermoplastics without any reconfiguration, up to 7.5 meters per minute.

- Reproducible results thanks to permanent regulation of the NOMINAL and ACTUAL values
- Heater and drive electronically regulated
- Steplessly controlled air flow (only UNIFLOOR E)
- All floor coverings welded without reconfiguration
- Automatic start
- Integrated wall switch

Hot-air welder

UNIFLOOR E / UNIFLOOR S

Accessories UNIFLOOR E / UNIFLOOR S

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>115.054</td>
<td>Welding rod de-reeler</td>
</tr>
<tr>
<td>115.057</td>
<td>Trolley attachment</td>
</tr>
<tr>
<td>114.224</td>
<td>Floor welding nozzle, optimized for PVC material</td>
</tr>
<tr>
<td>115.342</td>
<td>Floor welding squeezed nozzle, for PVC + PUR material</td>
</tr>
<tr>
<td>103.394</td>
<td>Floor welding nozzle air-knife, optimized for PUR material</td>
</tr>
<tr>
<td>115.216</td>
<td>3/3 air flap for Linoleum welding rod</td>
</tr>
<tr>
<td>117.235</td>
<td>2/3 air flap, optimized for PUR material and linoleum welding rod</td>
</tr>
<tr>
<td>126.448</td>
<td>Storage case, plastic, green (included with purchase)</td>
</tr>
<tr>
<td>103.602</td>
<td>Heating element, 120 V / 1800 W</td>
</tr>
<tr>
<td>103.604</td>
<td>Heating element, 230 V / 2100 W</td>
</tr>
</tbody>
</table>

Technical Data

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>V –</td>
</tr>
<tr>
<td>Power</td>
<td>W</td>
</tr>
<tr>
<td>Temperature</td>
<td>°F</td>
</tr>
<tr>
<td>Speed</td>
<td>ft/min</td>
</tr>
<tr>
<td>Air flow range</td>
<td>%</td>
</tr>
<tr>
<td>Size (L × W × H)</td>
<td>inch</td>
</tr>
<tr>
<td>Weight (without de-reeler)</td>
<td>kg</td>
</tr>
<tr>
<td>Conformity marking</td>
<td></td>
</tr>
<tr>
<td>Protection class l</td>
<td></td>
</tr>
</tbody>
</table>

Article No.:

- 116.133 UNIFLOOR E, 120 V, including rod de-reeler, squeezed nozzle (PVC and PUR), with US plug, storage case
- 115.345 UNIFLOOR E, 230 V, squeezed nozzle (PVC and PUR), with Euro plug, storage case
GROOVER 500 LP – Grooving Cordless, Powerful, Reliable

Grooving – even on uneven floors of plastic or natural materials, close to the edge or along a guide rail – all in a day’s work for the GROOVER 500-LP cordless grooving machine from Leister. No more messy rat’s nests of cables and tedious searching for electric power sockets on site. Your GROOVER 500-LP lets you switch from one room to another in no time. Cordless, powerful, reliable - that’s your GROOVER 500-LP.

Grooving machine

GROOVER 500-LP

1. Cordless battery operation with maximum flexibility
2. LED light for illuminating the grooving area
3. Side stop for grooving along rails
4. Sensing roller for reliable grooving – even on uneven floors

Manufactured by Leister China
Technical data

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery voltage V</td>
<td>18</td>
</tr>
<tr>
<td>Battery capacity Li-Ion Ah</td>
<td>5.0</td>
</tr>
<tr>
<td>Charger voltage V~</td>
<td>230; 120</td>
</tr>
<tr>
<td>Cutting speed rpm</td>
<td>5000</td>
</tr>
<tr>
<td>Blade diameter inch</td>
<td>5.12</td>
</tr>
<tr>
<td>Groove depth adjustment inch</td>
<td>0 - 0.24, infinitely variable</td>
</tr>
<tr>
<td>Size (L × W × H) inch</td>
<td>17.5 x 8.4 x 13.2</td>
</tr>
<tr>
<td>Weight (incl. dust bag) lbs</td>
<td>12.2</td>
</tr>
<tr>
<td>Conformity mark</td>
<td>C</td>
</tr>
<tr>
<td>Protection class II</td>
<td>O</td>
</tr>
</tbody>
</table>

**Article No.:**

- **167.451** GROOVER 500-LP, 230 V, Universal tungsten carbide tipped blade, Ø 5.12 x 0.14 inch, T12, parabolic profile, with CH / EU plug
- **168.171** GROOVER 500-LP, 120 V, Universal tungsten carbide tipped blade, Ø 5.12 x 0.14 inch, T12, parabolic profile, with US plug

Included with purchase: Grooving machine, 2x battery pack LP18/5.0, charger, vacuum cleaner adapter, dust bag black, dust pipe, union nut, hex key, quick guide, transportation box

**General-purpose milling cutter blade** for plastic and natural floor coverings

- Particularly stable on the **three-point stand**
- **Adjustable side roller** for reliable grooving on pimpled floor coverings
- **Optimized rear guide roller** for precise positioning

The vacuum cleaner adapter allows to connect the tool to a vacuum cleaner. Highest suction performance is guaranteed.
GROOVER: Dust-free milling.

The GROOVER grooving machine cuts welding grooves into thick, tough floor coverings made of PVC-P, PE and linoleum. The tool glides on three rollers and cuts a uniform groove depth, even at high speeds.

• Cuts grooves into all types of floor coverings
• Extremely high, two-stage cutting speeds
• Adjustable guide roller for tracking accuracy
• Reduced dust particles when used with dust bag
• Cutting close to the edge possible

Technical Data

<table>
<thead>
<tr>
<th></th>
<th>V~ (V)</th>
<th>Power (W)</th>
<th>Cutting speeds (rpm)</th>
<th>Groove depth adjustment (in)</th>
<th>Size (L × W × H) (in)</th>
<th>Weight (lbs)</th>
<th>Conformity marking</th>
<th>Approval mark</th>
<th>Protection class II</th>
</tr>
</thead>
</table>
| Voltage          | 120 / 230 | 350 / 700 (2 levels) | Level 1: 14 500 (350 W)  
Level 2: 18 500 (700 W) | 0 – 0.16 | 9 × 8 × 10 | 15 (with 10 ft cable) | CE | 3 | II |

Accessories GROOVER

- 102.401 Ø 4.33 × 0.14 inch, tungsten carbide-tipped blade, trapezium profile (standard blade installed in most Leister GROOVERs)
- 102.402 Ø 4.33 × 0.16 inch, tungsten carbide-tipped blade, round profile
- 102.403 Ø 4.33 × 0.11 inch, tungsten carbide-tipped blade, round profile
- 102.404 Ø 4.33 × 0.1 inch, tungsten carbide-tipped blade, round profile
- 102.405 Ø 4.33 × 0.14 inch, tungsten carbide-tipped blade, round profile
- 102.406 Ø 4.33 × 0.14 inch, diamond cutting blade, semi-round profile
- 126.448 Storage case (included with purchase)

Article No.:

108.393 GROOVER 230 V, tungsten carbide tipped blade Ø 4.33 × 0.14 inch, trapezium profile, with Euro plug, storage case
110.032 GROOVER 230 V, tungsten carbide tipped blade Ø 4.33 × 0.14 inch, round profile, with Euro plug, storage case
108.395 GROOVER 120 V, tungsten carbide tipped blade Ø 4.33 × 0.14 inch, trapezium profile, with US plug polarized, storage case
109.930 GROOVER 230 V, tungsten carbide tipped blade Ø 4.33 × 0.14 inch, trapezium profile, with AUS plug, storage case
108.396 GROOVER 120 V, tungsten carbide tipped blade Ø 4.33 × 0.10 inch, round profile, with Japanes plug, storage case

Strong drive suitable for PVC, PUR and linoleum materials.
GROOVY: Lightweight and handy.

The new “GROOVY” gouging tool is the lightweight, handy tool for the experienced layer of plastic floor coverings made of PVC or linoleum. Its ergonomic shape makes it possible to achieve the desired groove width and depth up to the connecting walls, defined and clean-cut, with little pressure.

Gouging tool

GROOVY

- Lightweight and handy
- Groove preparation without milling
- Clean transition from machine-milled groove to the closure
- Ideal for surfaces that are small and difficult to access
- Precise working thanks to roller guide
- Groove gouging up to connecting walls
- Adjustable groove depth

Accessories GROOVY

- Protective plug: 151.394
- Blade Ø 0.14 inch: 150.815
- Blade Ø 0.1 inch: 154.717
- Replacement Guide wheel: 154.279
- Guide wheel 1.8 mm / 0.07 inch: 151.453
- Guide wheel pointed

Technical Data

<table>
<thead>
<tr>
<th></th>
<th>inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Groove width</td>
<td>0.14</td>
</tr>
<tr>
<td>Groove depth</td>
<td>0.02 – 0.1</td>
</tr>
<tr>
<td>Size (L × W × H)</td>
<td>7 × 2 × 4</td>
</tr>
<tr>
<td>Weight</td>
<td>0.64 lbs</td>
</tr>
</tbody>
</table>

Article number:

150.809 GROOVY gouging tool, 0.14” for elastic floor coverings
## General accessories

### Tubular nozzle
- **100.303** 0.2" (5 mm), 15° angled, push-fit (TRIAC)
- **107.144** 0.2" (5 mm), 15° angled, push-fit (HOTJET)

### Tubular nozzle
- **105.576** 0.2" (5 mm), 90° angled, push-fit (TRIAC)
- **131.867** 0.2" (5 mm), 90° angled, push-fit (HOTJET)

### Tubular nozzle
- **105.567** 0.2" (5 mm), 6" (150 mm), straight (HOTJET)
- **105.575** 0.2", tubular nozzle, 4", straight (TRIAC)

### Speed weld nozzle
- **105.431** 0.12" (3 mm), with small air-slide, push-fit on 0.2" (5 mm) tubular nozzle
- **105.432** 0.16" (4 mm), with small air-slide, push-fit on 0.2" (5 mm) tubular nozzle
- **105.433** 0.2" (5 mm), with small air-slide, push-fit on 0.2" (5 mm) tubular nozzle

### Speed weld nozzle
- **107.139** 0.18" × 0.5" for fillet weld, push-fit on 0.2" (5 mm) tubular nozzle
- **107.137** 0.31" (8 mm) for tape welding, push-fit on 0.2" (5 mm) tubular nozzle

### Speed weld nozzle
- **159.848** 0.2" (5 mm), with small air-slide, curved, push-fit on 5 mm tubular nozzle
- **160.550** 0.1" (3 mm), with small air-slide, curved, push-fit on 5 mm tubular nozzle

### Speed welding nozzle, push-fit on 0.2" (5 mm) tubular nozzle
- **106.992** 0.22" (5.7 mm), profile A
- **106.993** 0.28" (7 mm), profile B

### Smoothing nozzle, push-fit on 0.2" (5 mm) tubular nozzle
- **165.937**

### Wide slot nozzle 6 × 0.5" (150 × 12 mm), push-fit (ELECTRON ST)
- **107.270**

### Scraper nozzle (ELECTRON ST)
- **142.281**

### Protective tube (ELECTRON ST)
- **148.933**

### Tool stand (ELECTRON ST) (recommended)
- **151.068**

### Pressure roller with ball bearings for welding rods: Ø 0.16 – 0.2"
- **106.970** for welding rods: Ø 0.08 – 0.16"

### Hand grooving tool
- **106.966**
- **106.968**

### Gouging tool “GROOVY” 0.14 inches
- **150.809** for elastic floor coverings

### Blade Ø 0.14 inches
- **150.815**
- **154.717** Blade Ø 0.1 inches

### Leister Universal scissors 10.2 inches with special shaft grinding
- **157.544**

### Trimming knife with 0.02 inches spacer for vinyl and linoleum with 5 spare blades included
- **117.000**

### 5 spare blades
- **117.005**

### 1 universal spacer 0.02 inches
- **117.007**

### Quarter Moon Knife including leather case, 3.9 inches stainless steel blade
- **106.969**

### Trimming guide, for use with spatula (106.969)
- **122.541**

### Leister cutter with four spare blades
- **137.855**

### Hooked blade for LEISTER-cutter (10 dispensers with 10 pcs=100 pcs)
- **138.902**

### Straight-edge blade for LEISTER-cutter (10 dispensers with 10 pcs = 100 pcs)
- **138.539**

### Brass brush Ø 0.12" (3 mm)
- **116.798**
- **142.647**

### Cable cord roller 27.3 yards (25 m) PUR 5 × 2.5 mm², with 1 × CEE 400 V and 2 × EU socket 230 V
- **140.353**

### Cable cord roller 27.3 yards (25 m) PUR 5 × 2.5 mm², with 1 × CEE 400 V and 2 × T23 CH socket 230 V
- **141.152**

### Cable cord roller 27.3 yards (25 m) PUR 5 × 2.5 mm², with 1 × CEE 400 V and 2 × Typ E with ground pin socket 230 V
- **141.207**

### Cable cord roller 45 m, 4 × 230 V, EU socket
- **164.048**

### Cable extension cord 16 yards (15 m) PUR 5 × 2.5 mm², with CEE 400 V plug
- **160.015**

### Cable extension cord 16 yards 15 m PUR 3 × 2.5 mm², with EU plug 230 V
- **159.239**

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More at the new accessories catalog at [www.leister.com/accessories](http://www.leister.com/accessories)
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- Croatia
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