
LEISTER
LE 5000 HT-U
LE 5000 HT-S
Hot Air High Speed Side Sealing
We know how.

LE 5000 HT-U, LE 5000 HT-S

+ Reduces CO_2 Footprint
+ Factory Safety Requirements
+ Operator Safety
+ Energy Efficiency
+ Process Reproducibility

Hot air sealing unit for liquid packaging

The hot air sealing unit for liquid packaging include two different units: The LE 5000 HT-U air heater has the hot air outlet on the upper side, while the LE 5000 HT-S blows the hot air downwards. The air outlet openings are designed precisely for welding the longitudinal seam in liquid packaging. Thanks to the great thermal insulation on the units, the maximum amount of energy is implemented in the weld seam.

Technical Data	LE 5000 HT-U	LE 5000 HT-U	LE 5000 HT-S	LE 5000 HT-S
Voltage [V]	3×200	3×400	3×200	3×400
Frequency [Hz]	50/60	50/60	50/60	50/60
Power [kW]	7	7.5	7	7.5
Max. air outlet temperature [°C]	900	900	900	900
Max. air inlet temperature [°C]	80	80	80	80
Max. ambient temperature [°C]	80	80	80	80
Min. air volume at 20°C [l/min]	400	400	400	400
Max. static pressure [kPa]	100	100	100	100
Weight [kg]	9	9	9	9
Size L × W × H [mm]	224.5×234×326	224.5×234×326	224.5×234×327	224.5×234×327
Conformity marking	CE	CE	CE	CE
Protection class I	⏚	⏚	⏚	⏚
Article number	163.564	116.761	163.565	116.763

Hot Air versus Gas Flame

CO_2 Footprint

To reduce the CO_2 footprint hot air offers the option to consume the power from renewable resources like wind power, solar power, etc. Gas cannot offer this benefit since it requires fossil resources.

Factory Safety Requirements

Using hot air eliminates all the costly safety requirements for gas.

Operator Safety

There is no open flame with hot air. Hot air systems are enclosed in organic fiber based ceramics and have a very low surface contact temperature even though the process operates at 900 °C.

Energy Requirement

Typical energy consumption for a flame sealer with gas burners is appropriately 90 kW. Hot air systems also use approximately 90 kW.

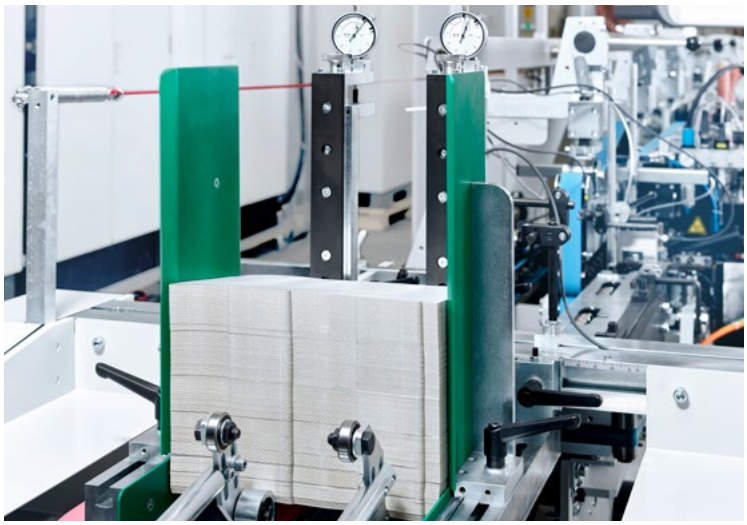
Process Reproducibility

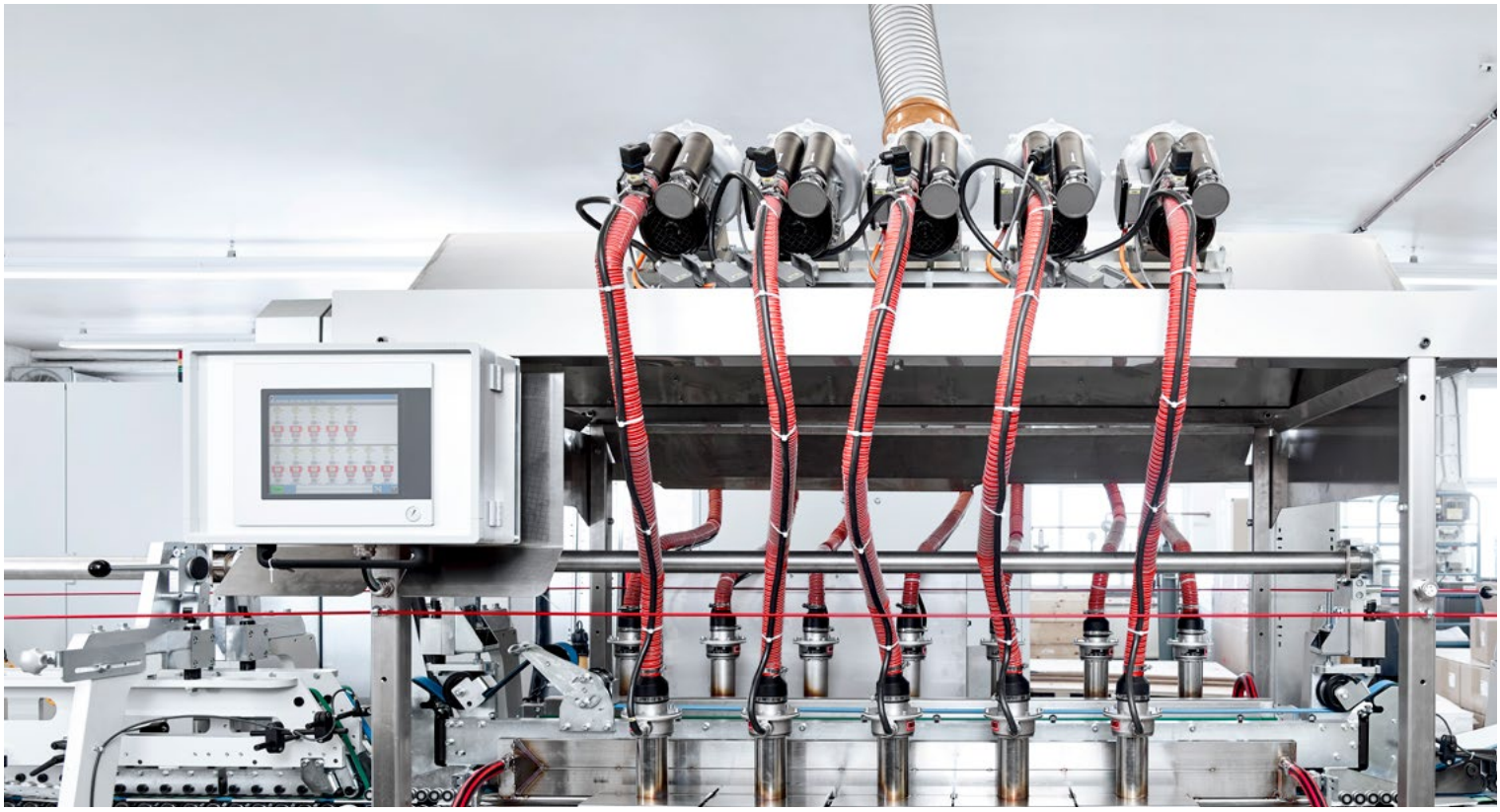
Setting up the machine for each type of board is much easier and more precise with electric heaters. The welding seam is much more precise.

Speed and Temperature

The sealing unit reaches production speeds up to 700 m/min and operates with an air temperature of 900 °C. With the sealing units, the temperatures and the air flow can be controlled very easily. This makes the hot air process much more precise and climate-friendly than the process with gas flame.

The pre sealing units consist of two LE 5000 HT-U devices, which are used in the prefold section of the machine shown by Fortuna Spezialmaschinen GmbH.





Accessories

E5CC temperature controller, 100–240 V

137.720

Solid state relay, 3 × 600 V/40 A

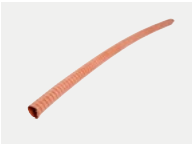
159.220

ROBUST, 3 × 230/400 V 50 Hz, 3 × 265/460 V 60 Hz

103.429

Frequency converter C200-012, 230 V

153.358



Air hose Ø 38 mm, silicone, temperature-resistant

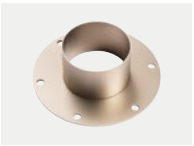
166.237

Hose clip Ø 38/60 mm

107.287

Hose connection adapter Ø 62 mm, 1 output

107.291

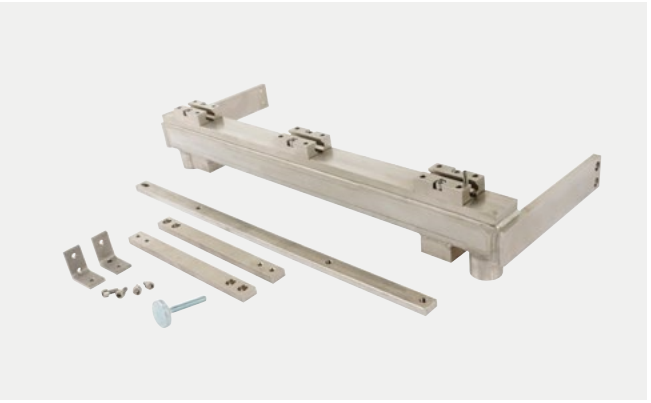


Inlet flange Ø 60 mm

152.371

Gasket HT LE 5000 DF, inlet

152.441



Fastening LE 5000 HT-S (2 units)

163.536

Fastening LE 5000 HT-U (2 units)

163.535

Fastening LE 5000 HT-S (3 units)

163.596

Fastening LE 5000 HT-U (3 units)

163.598

Fastening LE 5000 HT-S (4 units)

163.604

Fastening LE 5000 HT-U (4 units)

163.606

Leister Technologies AG
Galileo-Strasse 10
6056 Kaegiswil
Switzerland
+41 41 662 74 74
leister@leister.com
www.leister.com

USA
Leister Technologies LLC
+1 855 534 7837
info.usa@leister.com

Italy
Leister Technologies
Italia s.r.l.
+39 02 2137647
sales@leister.it

China
Leister Technologies Ltd.
+86 21 6442 2398
leister@leister.cn

Benelux
Leister Technologies
Benelux BV
+31 (0)30 2199888
info@leister.nl

Japan
Leister Technologies KK
+81 6 6310 62 00
sales-japan@leister.com

Germany
Leister Technologies
Deutschland GmbH
+49-(0)2331-95940
info.de@leister.com

India
Leister Technologies
India Pvt
+91 44 2454 3436
info@leister.in