

Lima-C Ultrasonic Series

Continuous Motion Packaging Machine



Packaging Solutions and Technology

LIMA-C Ultrasonic series

Highest Packaging Speeds

- ▶ All motions by servo technology
- ▶ Pillow bags in continuous motion
- ▶ Integrated seal check technology

Best Sealing Solution

- ▶ Fresh Salads
- ▶ Liquids
- ▶ Confectionary
- ▶ Cheese
- ▶ Powders

Highest Efficiency

- ▶ No leaking bags,
100% gas tight seals guaranteed
- ▶ Integrated Auto Splicer (optional)
- ▶ Sonic seal film savings up to 10%
- ▶ Lowest energy consumption

World Service Program

- ▶ 24/7 technical support
- ▶ Optional service contract including maintenance
- ▶ Film savings through seal area reduction



30µ capability

Contact Details

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Detailed Machine Specifications



LIMA-C Ultrasonic series

Machine Design

- ▶ Anti-corrosive version with solid stainless steel housing
- ▶ Stainless steel frame; height to application
- ▶ Sanitary, stainless steel, closed housing, low profile machine design
- ▶ Easy floor clean up due to unique design and concept
- ▶ Ultrasonic sealing technology

Controls

- ▶ Machine control through Siemens or Alan Bradley (Lima I series with Lenze)
- ▶ Colour touch screen for production information and fault display
- ▶ 200 production program memory for quick changeovers
- ▶ Servo motors for cross seal unit and film draw off belts
- ▶ Slip compensation for film transport through film encoder
- ▶ Continuous motion power film reel unwind motor; controlled by dancer unit

Efficiency Management

- ▶ Efficiency Statistics monitor with "reason code" interface
- ▶ Drop time adjustment on screen
- ▶ Production counter with reset button at control panel
- ▶ Pressure sensor for low air pressure detection with machine stop
- ▶ Easy and quick change of sealing jaws and sealing system
- ▶ Program selectable cross jaw opening for maximum output with different bag sizes
- ▶ Optional Integrated Auto Splicer
- ▶ Vacuum film draw off system with dry vane vacuum pump
- ▶ Vacuum belts with "gentle" motion film draw off, acceleration / deceleration of belts
- ▶ 3 Extra inputs for synchronisation

Ease of Use

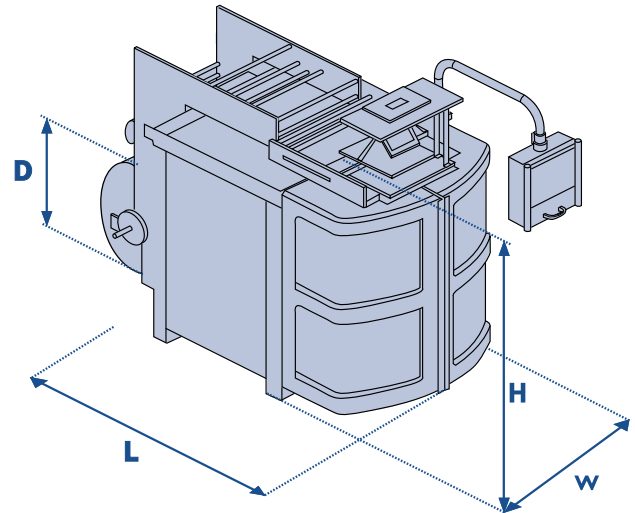
- ▶ Automatic vertical seal bar retraction by machine stop to avoid heat build up at tube
- ▶ Temperature controllers with precise, separate control for front, rear and long seal jaws
- ▶ Film reel for easy roll change (expansion shaft), Self centering and positioning

After Sales Service

- ▶ Low cost on maintenance, uptime guaranteed
- ▶ Global and service network contract possibilities

Application Options

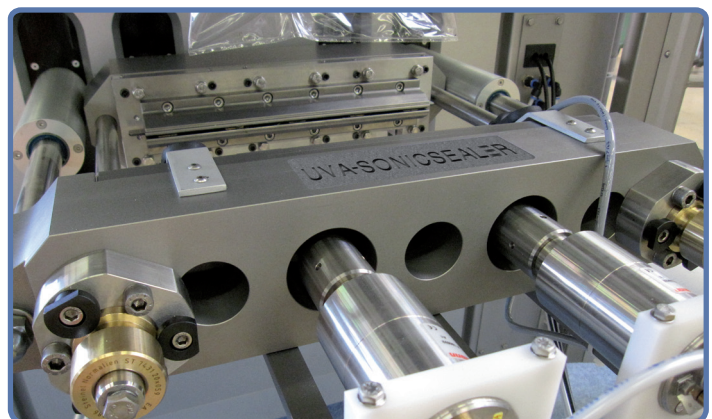
- ▶ Machine Heating-Pack for Deep-frozen environment
- ▶ Machine Wet-Pack for extra machine protection in wet environment
- ▶ Machine Dust-Pack for extra machine protection in dusty environment



Machine Specification

Lima 320 Ultrasonic

| | |
|---------------------------------|----------------------|
| Motion Technology | Continuous Motion |
| Sealing Technology | Ultrasonic |
| Filmthickness | 30 μ - 150 μ |
| Bag width | 50-300 mm |
| Bag length | min. 50 mm |
| Power consumption | 10/12,5 kVA |
| Air requirements | 6 bar |
| Maximum film roll width | 630 mm |
| Maximum film reel diameter (D) | 700 mm |
| Core diameter | 76 mm or 150 mm |
| Maximum machine output | 200 bags/min. |
| Machine weight approximately | 950 kg |
| Dimensions (stand.) HxWxL in mm | 1875x1200x2086 |



Fresh Salad Packed with Ultra Sonic

UVA has launched its 30 micron Ultra Sonic sealing technology

Over the last years a lot of talking and promising has been done around ultrasonic sealing. Many discussions around the enormous possibilities to save cost.

Less film usage, less wear and tear parts, less energy and less personnel all lead to lower cost although the main advantage must be seen in less returns, less complains, less rework due to the tight seal.

UVA Packaging is 100% Ultrasonic ready!

It took a long time before UVA Packaging came to the market with ultrasonic sealing. There is only one reason holding us back from a market introduction: UVA Packaging just wants to be 100% sure. Now we are 100% ready.

Ultrasonic sealing of 30 micron film is no problem

UVA Packaging organized “the UVA Packaging Salad week” just after the summer holidays. The aim of this week was to show the Benelux salad packers the truth about ultrasonic sealing by UVA Packaging.

UVA Packaging showed the visitors how simple and easy the UVA Packaging Lima Ultrasonic works in continuous motion delivering a tight seal every stroke.

To give even more proof, UVA Packaging asked the customers to bring their own packaging film. During their stay, without any preparation, UVA Packaging proved that even 30 micron film will be sealed, this without problems!

No leakers at 80 packs per minute.

The customers were asked to try to create product in seal which normally leads to bad seals and leakers. After many attempts they discovered that it was impossible to do, even while running 30 micron film. Every seal was nice and tight. No contamination in the seal while running at 80 bags per minute.

Lowest cost per pack through robustness

The key to success with Ultrasonic seal system is to make sure that the energy of the Ultrasonic system is spread evenly and is able to find the right way through the material. This can only be done if the sealing jaws are touching each other every time 100% parallel and with an equal pressure. The slightest difference leads to an unstable situation.

Throughout the years UVA Packaging has not made any compensation for the choice of material and parts which resulted in a very robust and stiff drive and sealing system. This choice is now the biggest contribution to a perfect application which ensures a very easy integration.

UVA Packaging can make the conclusion that the Salad week was very successful but even more important is that the visitors where convinced that the UVA Packaging Lima is able to run with 30 micron film at 80 strokes a minute without any problems.

The UVA Packaging Lima Ultrasonic is now on a tour throughout the whole world to show other customers the true value of UVA Packaging.

In sum ultrasonic sealing gives you the following advantages:

- Tight seals even through product contamination in the sealing zone;
- Material savings because of smaller seals;
- Short sealing times;
- Seal quality check for each individual bag;
- Less thermal impact on heat-sensitive fill goods;
- Low maintenance cost.

