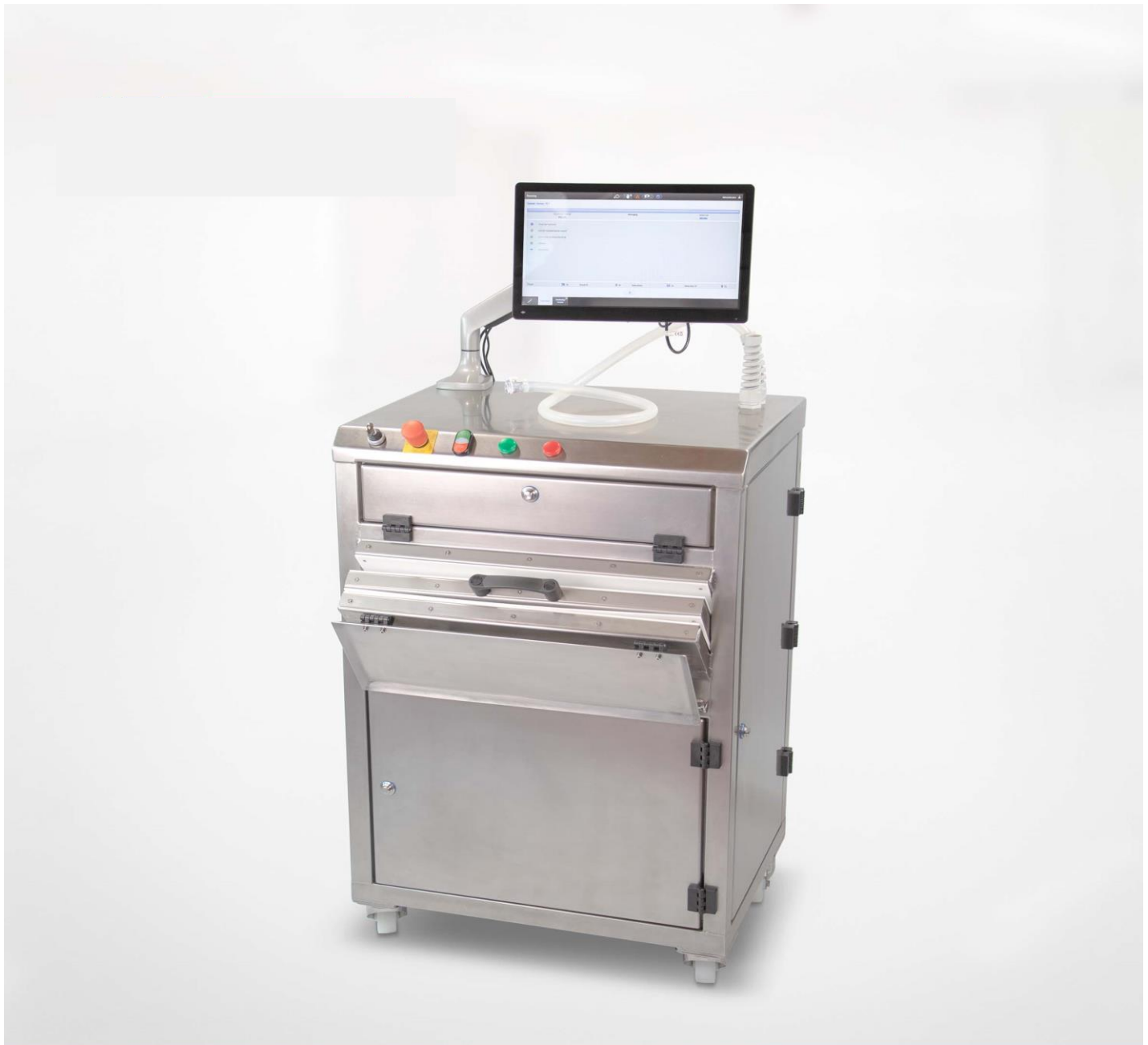


*New*

## LTT - Flexible Bag Integrity Test Unit - 2D



LTT Europe - Leaktest

**LTT - FBITU-2D**

L.T.T.-Europe B.V.  
Dr. Frederiksstraat 39  
7582 AX Losser  
The Netherlands



The Flexible Bag Integrity Test Unit 2D (FBITU-2D) is designed for testing 2D single use flexible bags between restraining plates, used in the Life Science industry.

It can be used to test a large range of medical products, from complete assembly's to single use flexible bags from 20 ml. up to 200 liter.

The FBITU-2D has a set of restraining plates suitable for 2D bags from 20ml to 50 liter, the unit can also be used for open air testing of 3D bag assembly's.

The FBITU-2D has standard 1 measuring channel, but can be extended with a 2nd measuring channel.

The menu selection takes place on the user friendly touch panel, suitable to work with cleanroom gloves. A barcode scanner for menu selection is an option.

The (standard) test pressure of the FBITU-2D can be set between 0 ... 350 mBar.  
*(different pressure-ranges on request available)*

The ZEDcore is as a modular measuring cell integrated in the FBITU-2D.



There is a variable range of tube connectors, like a special designed tapering nozzle for a hose range from 1/8" ... 1½". Also a range of MPC and MPX connectors are available to mount onto the medical silicone measuring tubes.

The air for the measuring channel is filtered via medical grade 0.2 µm filter.

The unit is designed as a standalone unit, with a convenient table height of 1.050 mm, it has 4 swiveling cleanroom wheels with brakes.

The assembly can be placed on the top of the unit, on the fold away plate, or inside the restraining plate box.

The unit contains storage room for small items, like the fixed leak.

The FBITU-2D has standard a built in red/green machine test.

If a test result from a design is within the set limits the test result will be a green light and green screen, if the test result is outside the set limits the red light and red screen will come up, this has to be acknowledged by turning the key switch.

All menu's and test results will be stored into the machine, but can also be downloaded / connected to via the network connection or network PC.

The FBITU-2D comes with its own fixed leak\*, for machine testing. A wide range of fixed leaks is available to quickly connect onto the machine.

*\*Fixed Leak is produced from medical stainless steel using medical USP 6-class sealings.*



## Touchscreen

The 15" touchscreen is widely adjustable on a screen arm, and convenient placing.

## Calibration, Service & Revision

The FBITU-2D is standard calibrated by the strictest requirements of the DAkkS / ISO 17025 regulations.

L.T.T.-Europe provides in a yearly calibrated\* & service\*\* for the FBITU-2D.

\*The measuring cell ZEDcore will be calibrated/adjusted.

\*\* The silicone tube's and medical filter will be replaced (measuring-side)

If the result values are outside it standard operation window, the parameter will be adjusted, parts will be checked and/or replaced.

In this way your secured of the highest quality of your FBITU-2D.

## Specifications

- Stainless steel cabinet with silicone hoses and cleanroom wheels
- 1 measuring channel (*2<sup>nd</sup> channel, available on request*)
- Can be used on various single use designs, 2D and 3D flexible bags, range from 20 ml. to 200 liter
- Restraining plates suitable for 2D bags from 20 ml. up to 50 liter
- Printer and scanner are available options
- FDA approved materials
- USP class materials
- Standard pressure range from 0 ... 350 mBar
- Floor model 700 x 700 x 1.050 mm., easy to handle and move due to the 4 swiveling cleanroom wheels
- The size of the leak that we can find is depending on various factors, but can vary between 10 ... 250 µm
- Measuring device ZEDcore standard calibrated by DAkkS / ISO 17025

## The Flexible Bag Integrity Test Unit 2D can be used for

- Mainly Food and Life Science industry
- It is suitable for overpressure, vacuum and flow testing

*For more information, or a demonstration contact LTT Europe*

Mail : [info@litt-europe.com](mailto:info@litt-europe.com)

Tel. : +31 (0)53 - 536 42 38

*Lease saves investment*

## **LTT Rental - Lease**

At L.T.T.-Europe it is also possible to rent or (short) lease test equipment. We have various units available for rent, this could be for instance a ZEDbase+, and/or other Zeltwanger machine's. Also this unit is available for rent of lease.

No investment is needed, equipment is relative quickly available. Also possible to purchase the equipment during / after rental / lease period.

In the rental or lease contract the service, calibration and maintenance of the unit is included. Also the requested number of fixed leaks can be included.

There is also the possibility to view the leak test measuring units in our showroom or to use them for testing purposes. An on-site demonstration is also possible.

## **LTT Support**

During the installation we give training of the unit. Additional training for operators, also with process description and in class room set-up is available upon request.

For all units, lease of buying, we can also offer support with validation of the process/products. We can also assist you with setting up of the process around integrity testing.

Support for audits is also available, from one of our specialist leak test engineers in the Life science branche.

## **LTT Experience**

At L.T.T.-Europe we have various engineers who have experiences in various branches all over the world, automation, machinery, Life Science, Food and Beverage.

With our wide range of experience LTT can support you on-site all over the world, especially in the Life Science branches where everything has to be done according approved process and standards. We have day or week prices available for our service engineers.

*Prices and terms are available on request. Contact us to make an appointment.*

## Examples of our products available for the Life Science Industry



### LTT Fixed leaks

Range from 2 ... 1.500  $\mu\text{m}$ , stainless steel with USP class sealings and certificate

### LTT Flexible Bag Integrity Test Unit for 3D bags

For open air integrity testing of various designs and large bags up to 10.000 liter

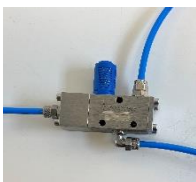


### LTT Leak test cabinet for assembly's

Test cabinet for integrity testing of assembly's and designs, with various connectors and fittings

### LTT Flexible Bag Integrity Test Unit-2D

For testing between restraining plates of 2D bags and open air test of designs and 3D bags up to 200 liter.



### LTT Stainless Steel air valves

Including USP seals with medical grade.