

Our motto is: "Measuring is Knowing" when it comes to checking pouches.
For less than € 20,000 you already have full control over the quality of your product with our entry model MAP1-M / L-EC for vegetables and chips:



Standard MAP1-L
click on photo for
[YouTube video](#)

Up to our super-accurate **FLI-SealTester-MAP3-SE Vertical**
In-line testing for leakage, strength and volume in the micro-range!
Especially for DoyPack with drinking nozzle (i.e. baby food, pharmaceutical products)



Click on the picture for YouTube-video

FLI-SealTester-MAP3-SE Vertical
www.sealtester.nl

How accurate are you in finding leaking bags in your production line?

Leak detection remains one of the most challenging inspection applications. Traditional equipment is often slow and therefore cannot be used as part of the process of the production line. Bag (or Doypack, Tray) leak detection remains an important area of research and development at Fast Line Inspections® and as a result of our work, we are happy to offer two solutions: MAP1 and MAP3. They are robust inline tools for finding the leaks in bags and trays.

FLI-SealTester applications

The FLI-SealTester is ideal for applications where the package can be gently pressed without touching the product in the pouch.

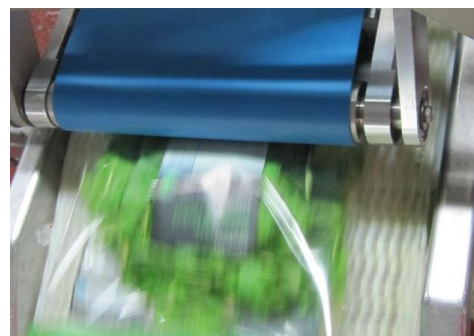
In other words: a kind of "air cushion" that ensures that the product is not touched.

This can be done at temperatures between 2 ° C to 35 ° C, in both wet and dry (option: explosion safe) environment.

Frequently used applications are shown below:

Gas filled pouches:

- Vegetables
- Powders
- Snacks (chips etc.)
- Trays (i.e. meat)



Liquid filled pouches:

- Babyfood
- Soup
- Pharmaceutical liquids (DoyPack)
- Sauces

Because the FLI-SealTesters stop the measuring process immediately when it is detected that the pouch is leaking, there is no unnecessary pollution in the case of a leaking bag.

This makes it easier to keep the FLI-SealTester clean.

Why is the FLI-SealTester better than other leak detection devices?

For products that are at room temperature, there are very few approaches to accurately detect leaks.

Non-contact inspection technologies such as Infrared, X-Ray or "sniffers" are generally not well suited for products at room temperature, because this approach depends on a measurable difference signature of the package (Think of changing air pressure, CO₂, humidity).

FLI-SealTester specification

- Simple robust design with a very low cost of ownership (few wearing parts)
- Exceptionally low "False Reject Rate" (<1: 10,000)
- Inspection speeds of up to 180 pouches per minute per line, depending on the model.
- Leak detection from 1.0 mm (MAP1) to detection down 0.1 mm (SE execution)

So, set the FLI-SealTester on the test and contact us for a trial.

[Or look to the video on YouTube](#)



FLI-SealTester-MAP1-M



FLI-SealTester-MAP3-M



FLI-SealTester-MAP1-M



FLI-SealTester-MAP3-SE

Our calculation program tells you in advance what is possible at all:



Example: Vegetables on the MAP1-L (Gas)

Fast Line Inspections® Calculation model MAP1-L											
Dimensions of the bag (LxWxH):			Bag Length:	225	mm	Force:	50	Newton			
Length	225	mm	MAP1-L	Speed: (Bags per Minute)							
Width	125	mm		Diam. hole size (mm):	45	50	55	60	65	70	
Thickness	55	mm		0,50	0,4	0,4	0,3	0,3	0,3	0,3	
Available Test power (0 - 150N)	50	N		1,00	1,7	1,5	1,4	1,3	1,2	1,1	
Number of bags under the pressing belt	1			1,50	3,8	3,4	3,1	2,8	2,6	2,4	
Density kg/m3	1,23	Kg/M3		2,00	6,7	6,0	5,5	5,0	4,6	4,3	
Calculated conts (mL)	1547	mL		2,50	10,4	9,4	8,5	7,8	7,2	6,7	
				3,00	15,0	13,5	12,3	11,3	10,4	9,7	
				Belt Speed(M/S):	0,57	0,64	0,70	0,77	0,83	0,89	
				Length pressure belt:	565	mm					
			Explanation % drop of height (quality of testing):								
			0,2 Not Possible								
			1,0 Possible								
			2,0 Good								
			3,5 Very Good								

Example: Baby food FLI-SealTester-MAP3-SE (Liquids)

Fast Line Inspections® Calculation model MAP3-SE (with long pressing belt for LIQUID)										
Dimensions of the bag (LxWxH):			Bag Length:	165	mm	Force:	200	Newton		
Length	165	mm	MAP3-SE	Speed: (Bags per Minute)						
Width	85	mm		Diam. hole size (mm):	100	105	110	115	120	125
Thickness	21	mm		0,5	0,8	0,8	0,7	0,7	0,7	0,7
Available Test power (0 - 200N)	200	N		0,6	1,2	1,1	1,1	1,0	1,0	0,9
Number of bags under the pressing belt	9			0,7	1,6	1,5	1,4	1,4	1,3	1,3
Liquid (Density kg/m3)	1000	Kg/M3		0,8	2,1	2,0	1,9	1,8	1,7	1,7
Calculated conts (mL)	295	mL		0,9	2,6	2,5	2,4	2,3	2,2	2,1
				1,0	3,3	3,1	3,0	2,8	2,7	2,6
				Belt Speed(M/S):	0,50	0,53	0,55	0,58	0,61	0,63
				Length pressure belt:	1980	mm				
			Explanation % drop of height (quality of testing):							
			0,2 Not Possible							
			1,0 Possible							
			2,0 Good							
			3,5 Very Good							

We will be pleased to send you this calculation program on request. With the yellow cells you can already determine for yourself whether SealTesting is possible.

The calculations are based on the Law of Bernoulli, which thus describes what is physically possible.

Frans Elbersen

Fast Line Inspections®

Veldstraat 59,

5751AA Deurne, The Netherlands

Tel. +31 (0)493 322 909 Mob. +31 (0)654 616 187

Email: pfelbersen@gmail.com Website: www.sealtester.nl

Fast Line Inspections® Veldstraat 59, 5751AA Deurne, The Netherlands.

Tel. 0493 322 909 Mob. 06-54616187 email: pfelbersen@gmail.com website: www.sealtester.nl