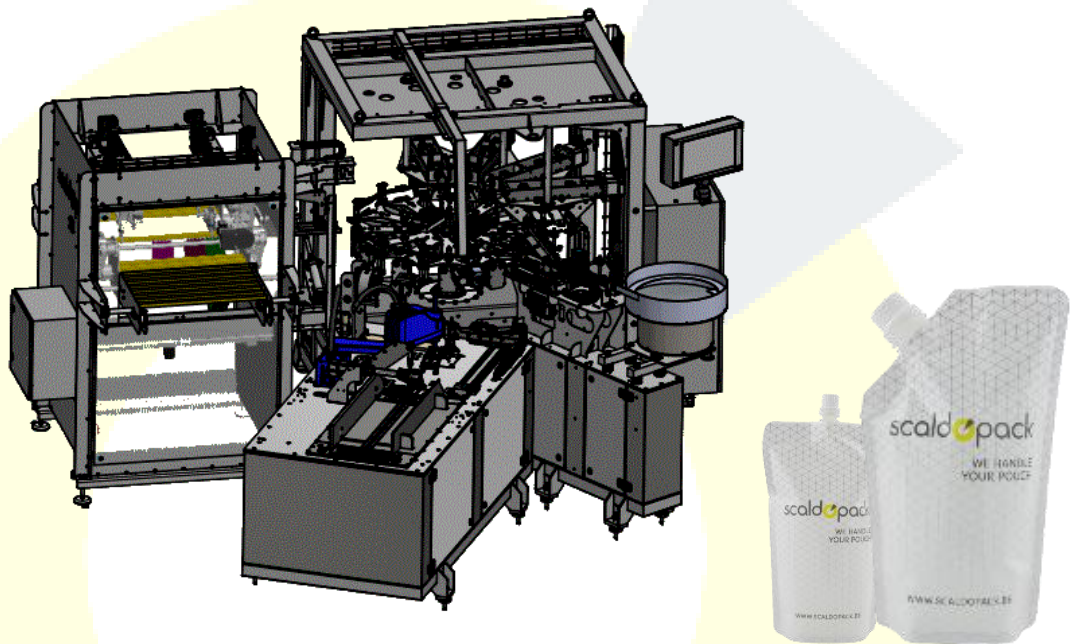




# Spout inserting machine

## SI-40 (\*)



### Description:

**SI-40** is a servo driven, fully automatic spout inserting machine fitted for larger production plants. This thermal spout inserting machine is an industrial spout sealing machine for companies who need a machine with intermediate production capacity.

### Possible Spout Position and Pouch Shape:

- Top center, off center and corner spout inserter. Special shapes of pouches are possible but can be subject to technical assessment.
- Pouch shape – square, round or shaped. In some cases special tooling for handling certain shapes will be needed.





## Machine Specifications for this machine model SI-40



Pouch Dimensions (min – max)	
Width	65 – 320 mm
Length	90 – 400 mm

Description	Specifications
Type of pouches	Pre-made standing pouch, side seal pouch, bag of co-ex material or laminate material with inside PE or PP sealant layer. 100% mono material – PE or PP
Number of Feeding Stations	1
Number of Sealing Stations	Up to 4
Spout Position	Top Center, Corner & off center
Pouch loading system	Automatic
Spout inserting process	Automatic
Voltage	3 x 380 V
Frequency	50 - 60 Hz
Current Load	5 A
Power Line	60 A
Compressed Air	150 Lpm, 6 bar
Pouch range	25 ml – 6.000 ml
Pouches per minute	Up to 40 ppm



Dimensions	
Machine weight	+/- 2.800 kg
Surface space needed	4,50 m x 4,50 m
Height needed	2,50 m



## Machine Compliance:

- Machinery Directive 2006/42/EG
- Machine complies with EU, UL and CSA Standards upon request.
- CE marked



## Features

- Heavy duty construction.
- High Performance – machine can be equipped with a vision control camera system (mono or dual) that will control tolerance spout/pouch position.
- Flexible machine that can insert top and corner spout for a wide range of pouch sizes (width 65 – 320 mm and length – 90 – 400 mm) and film thickness from 80 to 1.200 µm.
- Machine will be fed with pre-made standing pouch, three side seal pouch and side gusset pouch.
- Sealing stations can be easily removed into a position for cleaning or maintenance purposes.
- Safe to operate machine.

## Options

- Feeding on rail system – Instead of using the out feed conveyor belt the pouches will be fed directly onto a plastic rail. We can also outfeed pouches flat onto the rail.
- Remote technical support possible.
- Universal spout sorter – Sorting bowl to handle many different types of spouts on the same feeding system

## Advantages

- Very quick change over from one spout to another (less than 10 minutes)
- Only a small space is needed to run many different types of spouts.
- Consisting of:
  - Sorting bowl
  - Feeding selection linear system
  - Small Elevator for rejection parts
  - Pick and place system
  - One set off sealing tools set for one spout size





### Machine Layout:

Machine weight	2800 kg
Voltage	3x380V + N + PE
Frequency	50-60Hz
Current Load	5 A
Power Line	10 A
Compressed Air	150 l/min, 6 bar
Pouches per minute	-/7-60

- 1: Loading station
- 2: PreOpening
- 3: Spout place unit
- 4: Sealing station1
- 5: Sealing Station2
- 6: Sealing Station3 (optional)
- 7: Sealing Station4 (optional)
- 8: Sealing Station5 (optional)
- 9: Cooling station
- 10: Reject Station and Camera Station (Optional)
- 11: Outfeed + buffer
- 12: Free

Index	DESCRIPTION	Date	Name
REVISION HISTORY			
Material: IQ			
Designer: IQ			
Checked: IQ			
Date: 29/09/2020			
Projection: A2			
Sheet size: A2			
Part nr.: 90-A039-BAKE			
Description: S140 file			

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(\* ) All information and measurements mentioned in this document are merely indicational and for informational purposes only. Information and measurements in this document can be subject to changes without further notice. For the latest info always revert to Scaldopack.