



Spout inserting machine

SI-Lab



Description:

SI-Lab is a servo driven, semi-automatic spout inserting machine dedicated for pilot projects and small production runs. This machine handles and seals the pouch in a exactly the same way as our industrial spout sealing machines.

Possible Spout Position and Pouch Shape:

- Top and corner spout inserter, max. spout base width – 65mm. 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-Lab



Pouch Dimensions (min – max)	
Width	65 – 320 mm
Length	70 – 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	2
Number of Sealing Stations	1 to 2
Spout Position	Top Center & Corner
Pouch loading system	Manual
Spout inserting process	Automatic
Voltage	3 x 380 V
Frequency	50-60 Hz
Current Load	3 A
Power Line	16 A
Compressed Air	15 Lpm, 6 bar
Pouches per minute	+/- 10

Dimensions	
Machine weight	+/- 680 kg
Surface space needed	3,00 m x 2,00 m
Height needed	2,00 m





Machine Compliance:

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

Features:

- Heavy duty construction.
- 2 infeed stations for more efficient production. Machine will be manually fed with pre-made standing pouch, three side seal pouch and side gusset pouch and selected spout.
- 1 or 2 sealing stations depending on pouch and spout material. The sealing is done via thermal sealing tools. The time, pressure, and temperature are adjustable servo controlled.
- 1 cooling station. The cooling is done via contour tools. The cooling time and pressure are adjustable.
- Flexible machine that can insert top and corner spout for a wide range of pouch sizes (width 65 – 320 mm and length – 70 – 450 mm) and film thickness from 60 to 350 µm
- Power connection – 3 x 380 V Y three-phase
- Compressed air – 15 LPM at 6 bar (90PSI)
- PLC/ HMI system – Beckhoff for operation and remote assistance.
- Servo motor - YASKAWA



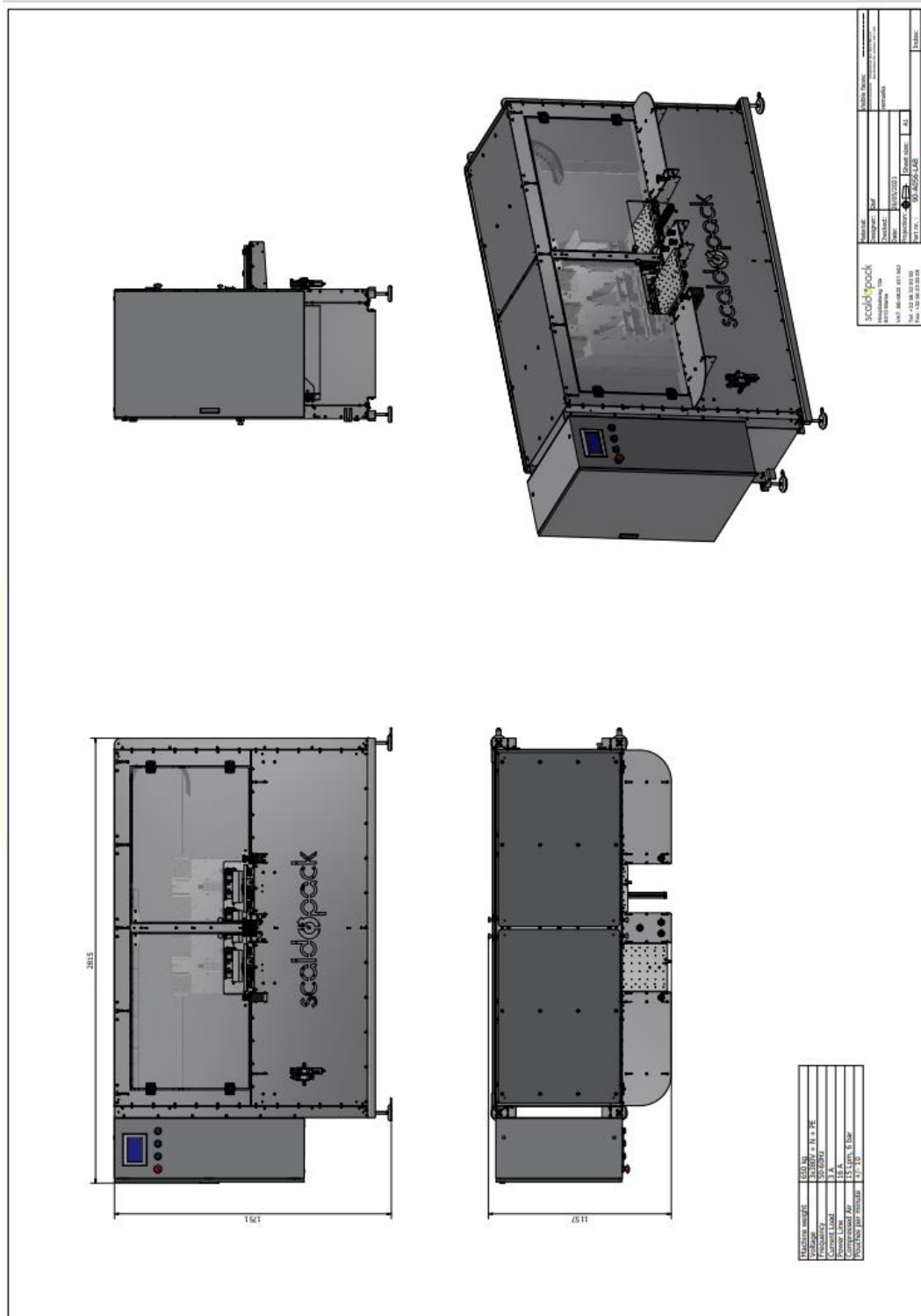
Advantages:

- Easy to operate, flexible and highly reliable process, allowing customers to confidently supply spouted pouches at competitive cost.
- Perfect platform for spouted pouches new players, customers with low volumes and/or converters in need to target specific applications at low investment.
- Machine replicates sealing performance of an industrial high-speed machine.
- Sealing and cooling jaws are interchangeable with those of high-speed SI-40 or SI-60 machine.
- Safe to operate machine.





Machine Layout:



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