



A.G. Engineering

Auto Glass Engineering



Semi-automatic Screen Printing Machine AG – S

Technical description:

Semi-automatic screen-printing machine designed for simple set-up concept that allows the customer to handle low batches with short set up time.

The AG-S machine has a fixed printing table and a printing head sliding from the back to give easy access to the operator.

The printer sections (2), printing table and the back section, can be unbolted, separated for transport and then re-assembled.

The printing head is mounted on linear guides and moved through an A.C. motor, inverter control.

The printing head after reaching the front position is held in position by electromagnets, granting accurate position repeatability.

When the printing head withdraws from the printing table, the operator has easy access to the screen servicing.

Standard features:

- Aluminum printing table –Teflon coated
- Vacuum and blow back system
- Adjustable off contact
- Adjustable peel off
- Holding bars lodging any screen size.
- X, Y movement approx. ± 15 mm for screen aligning
- Pneumatic squeegee/flood coater change over
- Squeegee and flood coater speed step-less adjustable
- Adjustable squeegee and flood coater stroke
- PLC logic control
- Front idle roller for glass loading
- Transport belts
- Squeegee pressure equalizer
- Pneumatic locking frame

Optional: Ink Scooping device

The squeegee and the flood coater can be swung close to form a scoop that holds the ink, avoiding any dripping on the printing table, when the screen is serviced or removed.

Machine printing cycle:

The glass is fed by hand or by transport belts

The blowback turns on and the glass is manually aligned against the locators.

The vacuum comes on holding the glass for the printing operation.

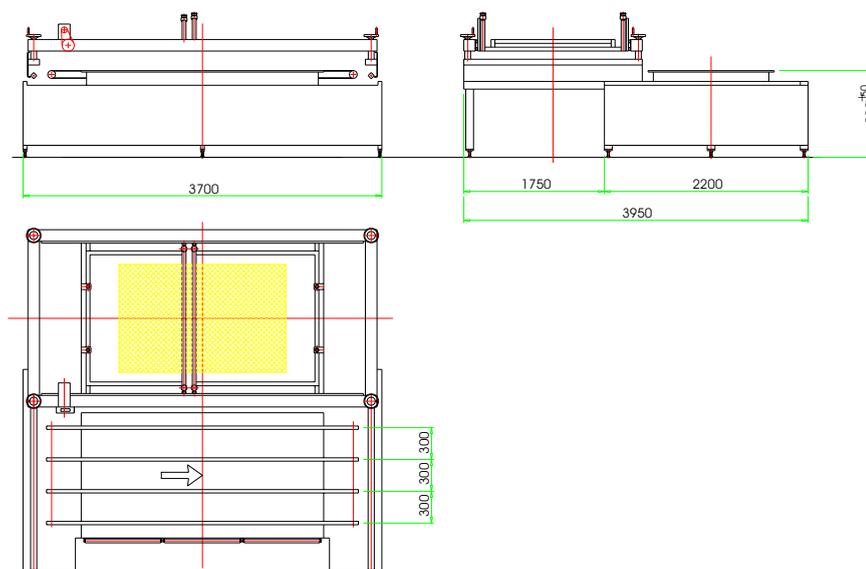
The printing head is advanced automatically over the glass and locked by magnets

The printing operation occurs.

The printing head withdraws while the screen flooding is performed.

The feeding belts pop up and evacuate the glass or it is unloaded by hand

A new glass is fed and the cycle repeats.



MODEL	UNIT	1200 x 2000	1200 X 2600	1500 X 3000	2000 X 3000
Max. Frame size	mm	1700 x 3000	1700 X 3150	1900 X 3600	2400 X 3600
Max glass size	mm	1200 x 2000	1200 X 2600	1500 X 3000	2000 X 3000
Min glass size	mm	250 x 250	250 X 250	300 X 300	300 X 300
L1	mm	2900	2900	3200	3700
H printing line	mm	960	960	960	960
L2	mm	3000	3600	4000	4000
H MAX	mm	1500	1500	1500	1500
Glass thickness	mm	3/19	3/19	3/19	3/19
Cycle / h	N°	150	150	150	150
Compressed air lt/h	N lt/1'	30	30	30	30
Corrent rating	KW	8	8	8	8
Weight	Kg	1400	1600	2000	2200

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