



Glassprinting

HANDLING AND SCREEN PRINTING GLASS ENGINEERING



HS-SEL

ARCHITECTURAL AND AUTOMOTIVE
SCREEN PRINTING MACHINE

Screen Printing Machines

The automatic screen printer HS-SEL is a short edge leading machine special designed for both automotive and architectural glass processing.

The machine takes in the glass and transports it to the exit through belts that rise and lower. The glass coming from the loading station (not part of the supply) is advanced on the printing table, sensed by a fibre optic sensor and stopped. The belts lower depositing the glass onto the printing table.

The registration is accomplished by five registration rollers closing in on the glass on the periphery. The machine mounts seven rollers to accommodate various glass size.

- N°4 rollers on one edge acting as positive stops (only two at the time are engaged according to the glass length).
- One roller on the center front edge locks the glass pneumatically
- Two rollers, L.H. and R.H. (one of them is operating pneumatically) complete the centring system. All rollers are moved by motors.

To prevent possible screen damage by the squeegee, at the beginning or at the end of the printing stroke, nests (rubber or other material) can be applied on the bottom side of the screen or located on the printing table.

After the glass has been loaded and registered on the printing table, the printing head lowers, the printing operation occurs. The printing head raises and the screen flooding takes place with the screen parallel to the printing table.

As the above operation is being accomplished, the transport belts raise the glass and transfer it through the exit.

Simultaneously a new glass is brought to the printing table.

The printed glass is advanced to the next processing unit or unloaded.

The screen is loaded / unloaded from the operator side, the squeegee and the flood coater pressure are adjusted from that side.

Printer Standard features:

- Pneumatic squeegee reversing motion.
- Squeegee and flood coater speed step-less adjustable via AC motor inverter Controlled.
- Printing frame adjustment ± 15 mm, (0.6 In.) X and Y. (only when CCD are not used).
- Squeegee and flood coater angle and height adjustment.
- Peel off adjustable (from 10 to 150 mm.) to a variable starting point.
- Adjustable off contact from 0 to 25 mm. (0 - 1 In.)
- Screen flooding before or after the printing stroke selection.
- Adjustable squeegee and flood coater stroke length by sliding switches.
- Horizontal screen position during flooding.
- Any screen size (within the printer capacity).
- Printing head rising up to 400 mm for screen maintenance.
- PLC control.
- Pneumatic screen locking.
- Ink scooping device (the squeegee and the flood coater can be swung to form a scoop that holds the ink avoiding any dripping. The systems allows to remove the frame without removing the squeegee and the flood coater).
- Operator console with Panel View, buttons and switches.

Model	Unit	1200 x 2000	1800 x 3000	2000 x 3000	2200 x 3800	2500 x 4500
Max frame size	mm	1600 x 2600	2200 x 3800	2700 x 3800	2900 x 4000	3200 x 5400
Max glass size	mm	1200 x 2000	1800 x 3000	2000 x 3000	2200 x 3800	2500 x 4500
Min glass size	mm	200 x 300	400 x 500	400 x 500	500 x 600	500 x 800
L2	mm	2060	2340	2840	3040	3040
H working height	mm	950 +/-30	950 +/-30	950 +/-30	950 +/-30	950 +/-30
L1	mm	3240	4700	4700	5600	6210
H max	mm	1550 +/-30	1550 +/-30	1550 +/-30	1550 +/-30	1550 +/-30
Glass thickness	mm	3/19	3/19	3/19	3/19	3/19
Cycle / h	n	200	180	180	150	120
Compressed air	n lt/h	40	40	40	40	40
Current rating	Kw	8	8	10	12	12
Weight	kg	1700	2000	2800	3000	3300



HANDLING AND SCREEN PRINTING GLASS ENGINEERING

HS Glassprinting s.r.l. Sede legale: Delle Industrie 1 20050 Mezzago MI
Tel: +39-039 6020704 Fax: +39-039-6200891 www.hsclassprinting.it info@hsclass.it



Glassprinting

HANDLING AND SCREEN PRINTING GLASS ENGINEERING



HS-LEB

AUTOMOTIVE
SCREEN PRINTING MACHINE

Screen Printing Machines

The automatic screen printer HS-LEB is designed for automotive glass processing.

The machine takes in the glass from the feeding up stream conveyor and transports it to the exit through round belts that rise and lower.

The glass coming from the loading and precentering station is advanced on the printing table, sensed by a fiber optic sensor and stopped. The belts lower depositing the glass onto the printing table.

The registration is accomplished by registration rollers closing in on the glass on the periphery. The machine mounts seven rollers to accommodate various glass size.

After the glass has been loaded and registered on the printing table, the printing head lowers, the printing operation occurs. The printing head raises and the screen flooding takes place with the screen parallel to the printing table.

As the above operation is being accomplished, the transport belts raise the glass and transfer it through the exit.

Simultaneously a new glass is brought to the printing table.

MODEL	Printing size mm.	Printing size inches
1	1250 x 2000	49 x 79
2	1500 x 2500	59 x 99



HANDLING AND SCREEN PRINTING GLASS ENGINEERING

HS Glassprinting s.r.l. Sede legale: Delle Industrie 1 20050 Mezzago MI
Tel: +39-039 6020704 Fax: +39-039-6200891 www.hsclassprinting.it info@hsclass.it