



DEK Auto Paste Dispenser II Technical Specification

DEK Auto Paste Dispenser II

Description

The Paste Dispenser is mounted on the print carriage and dispenses paste from a Semco type cartridge onto the screen/stencil at a user definable rate.

Function

The dispenser uses air pressure and movement in the X direction to dispense a bead of paste at a user definable rate and position on the stencil or screen. There is a sensor to detect the presence of paste which allows the machine to display the percentage of print medium remaining; time to go before print medium runs out and boards to go before print medium runs out. The paste dispenser can be used in conjunction with the Paste Roll Height Monitor to trigger the demand for paste. To increase the throughput of boards, the dispenser can be set up to dispense while a clean takes place and to dispense with minimal print carriage moves.

Set up

Machine set up requires adjustment of the air pressure to the correct pressure and enabling the option in the machine software.

Consumable Replenishment

An additional pressure cap, drip tray and set of nozzles are supplied to allow off-line cartridge preparation. Installing into the unit is achieved within 2 minutes.

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Feature	Specification
Compatible Cartridge Weight	500g, 1Kg
Compatible Cartridge Dimensions: Bore Internal Diameter	ID Maximum 40.71mm, Minimum 40.35mm
Compatible Cartridge Dimensions: Outer Diameter (lip or no lip)	OD Maximum 45.70mm, Minimum depends bore size.
Compatible Cartridge Dimensions: Thread	¼ NPSM
Nozzles supplied (2 of each)	Diameter 3mm, 5mm and 7mm
Dispense Pressure	0-5bar*
Dispense Rate **	0-1000 Boards
Dispense Speed	10-100 mm/sec
Dispense Length (X)	0-510mm***
Dispense Start (X)	-255mm to +255mm from stencil centre line.
Dispense End (X)	-255mm to +255mm from stencil centre line.
Additional Dispense while Cleaner operates	Clean Mode 1, Clean Mode 2 or Both
Defer Dispense until next clean	Yes
Dispense with board at print height	Yes
Alternative Dispense position (X)	Centre or Ends ^o
Alternative dispense rate **	0-500 dispense cycles
Prime Dispenses for new cartridge	1-10 dispense cycles
Dispense delay	0-4 sec
Dispense position (Y)	Front, Rear or Auto ^{oo}

* Maximum pressure available to dispense depends on factory line pressure, main machine regulator pressure and the seal between the cap and the cartridge bore.

** This feature is disabled while the Paste Roll Height Monitor is enabled, the paste roll height monitor will provide the trigger to dispense.

*** Dispense Start point and end points are both independently defined from stencil centreline with the dimension range of -255mm to +255mm. So the print medium can be deposited over any section of the 510mm available.

^o Alternate dispense position enables the medium to be dispensed at the centre or ends rather than the whole length, this alternate dispense is triggered by the Alternate dispense rate.

^{oo} Auto – minimises the print carriage movement to maximise printer throughput.

Consumable Replenishment Notification

The operation of the paste dispenser sensor provides print medium level information to the user in three ways. The sensor can detect for the last 500g of print medium.

- Percentage of print medium remaining.
- Boards to go before replenishment is required

Time to go before replenishment is required

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