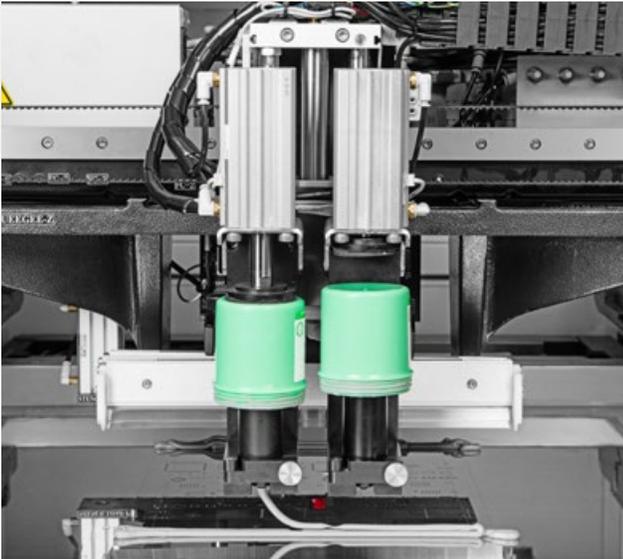


Automatic Paste Dispensers

MPM offers an automatic paste dispenser that uses standard cartridges as well as the new patent-pending jar dispenser which uses off-the-shelf containers. MPM's automatic paste dispensers apply solder paste in precise measured amounts across the stencil in a clean uniform bead. Deposition volumes, frequency and placement are user programmable. Compared to manual application, MPM's automatic paste dispensers lower costs by reducing labor and paste consumption and improve yield by minimizing downtime and improving process stability.

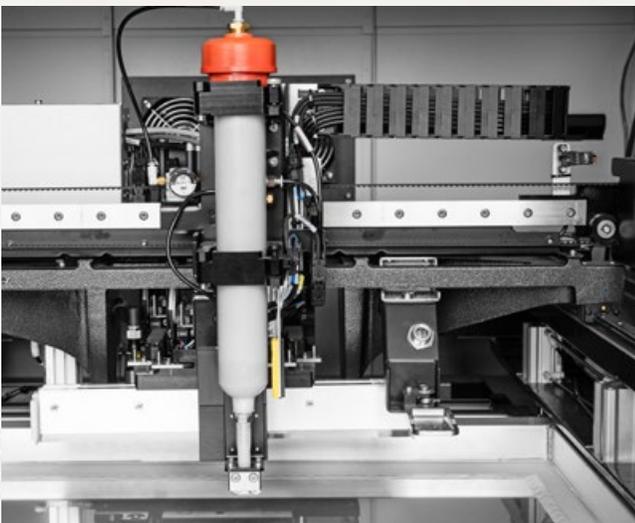
The automatic paste dispenser becomes even more valuable when combined with the MPM Paste Management System. The system monitors paste temperature roll height to improve yield and enable Industry 4.0 traceability.



Automatic Jar Dispenser

MPM's Automatic Jar Dispenser is available with a single jar or a dual jar configuration. It uses the same 500g paste jars used for manual application. A pressure regulator controls the plunger to expel the desired amount of paste. When the plunger retracts the "Air Knife" creates a small blast of air that cuts any dangling material.

The dispenser mounts to the front of the printer carriage for easy access. Changing jars is a simple process that can be completed in seconds. System software notifies the operator when a jar becomes empty. With the dual jar dispenser, the system will automatically switch to the second jar when the first jar is empty.



Automatic Cartridge Dispenser

MPM's Automatic Cartridge Dispenser uses industry standard 600g (6-inch) and 1200g (12 inch) paste cartridges. A pressure regulator controls the plunger to expel the desired amount of paste. The front mounted dispenser provides easy access for changing cartridges and maintenance. Changing the cartridges is a simple process that can be completed in seconds. System software notifies the operator when the cartridge is empty.

FAQs - Automatic Paste Dispenser

Jar Dispenser

Q: How much paste will remain in the jar when it gets replaced?

A: Less than 3% paste remains in the jar

Q: Can there be single jar

A: MPM jar dispenser has single jar and dual jars to be selected by customer.

Q: What is the advantage of a jar dispenser compared to a cartridge dispenser

A: The jar dispenser uses standard jars out of the shipping box from the solder paste manufacturer which cost less than cartridges. The dual jar is the only provider to the market.

Q: When jar is empty is it recognized by the system so the paste is dispensed out of the second jar?

A: Yes, with the dual jar configuration a sensor detects when one jar is empty and the software control will automatically shift to the second jar.

Q: What printers is this available for?

A: Momentum II Elite/HiE, Momentum II BTB and MPM 100 II

Cartridge Dispenser

Q: Is there a dual cartridge dispenser available?

A: No, only the jar dispenser has a dual container option.

Q: What is the advantage of a cartridge dispenser compared to a jar dispenser?

A: Cartridges are convenient and easy to use.

Q: What happens when the cartridge becomes empty?

A: System software notifies the operator.

Q: What printers is this available for?

A: Momentum II Elite/HiE, Momentum II BTB and MPM 100 II

Jar Dispenser Specifications

Dispense area for dual jar:
17inch X 20inch (43.18cm X 50.8cm)

Dispense area for single jar:
20inch X 20inch (50.8cm X 50.8cm)

Working air pressure: 90 PSI (6.2Bar)

Pressure regulator setting:
0.3Mpa to 0.5Mpa (43.5PSI to 72.5PSI)

Geometry:

Jar ID: 57.1~57.7mm

Jar OD: 58~60mm

Lip height: 56~59mm

Jar height: 69~73mm

Shape: only fit for column jar.

Jar capacity: 500gram Jars

Jar brands: ALPHA, DBG, LOCTITE

