

## Accurately pastes using a steel belt and FCC\* double sided pasting technology.

- ◆ Accurate
- ◆ Double Sided Pasting
- ◆ Tight Tolerances
- ◆ High Quality Product
- ◆ High Speed

The MAC Steel Belt Paster pastes continuous lines using a high tensile strength steel belt and FCC double sided pasting technology. Paste hopper width available in 305 mm (12 inch) and 381 mm (15 inch).

**Accurate:** The grid strip flows flat through the strip guides and paster to minimize side-to-side movement on the pasting belt or while under the hopper. A stainless steel belt pulls the strip through the hopper for more consistent production compared to a beltless orifice or drum type paster.

**Double Sided Pasting:** Patented Full Coverage Paste tooling makes even paste coverage on the top and bottom of the strip possible. Consistent bottom side over-paste of approximately 0.17 mm to 0.25 mm (.007 to .010 inches) is possible. Top side over-paste from 0.10 mm to 0.25 mm (.004 to .010 inches) is easily adjusted by raising or lowering the hopper. The patented FCC (Full Coverage Continuous) system on the paster and hopper support the grid strip off the pasting belt at the precise point before the paste is dispensed from the hopper.

**Tight Tolerances:** The MAC Steel Belt Paster uses a variable speed independently powered paste dispensing hopper featuring Orifice plate type tooling (no trowel roll). It has automatic hold-down clamps that secure the hopper to the paster without operator attention. Easy screw adjustment of the hopper height controls paste thickness side-to-side.

**High Quality Product:** A two-roll paper feeder is added under the strip inlet guide assembly for the bottom paper and a second two-roll feeder above the finish rolls for the top paper. These are independently adjustable and can handle up to 558 mm (22 inch) diameter paper rolls. Paper is used to improve the paste adhesion to the grid and paste release from the steel belt. Paper is perforated before application for better embedding into pasted plates.

The roll feeders are designed for quick change-out operation for minimum production down time and have provision for four rolls on the top and bottom for even faster changeovers.

**High Speed Production:** The pasted strip, with paper on top and bottom, moves at speeds of up to 55 meters (180 feet) per minute between rollers to ensure proper paste and paper adhesion. Finish rolls have a separate drive to keep the strip properly tensioned between the paste hopper and the finish rolls. The MAC Steel Belt Paster speed is easily adjusted by variable speed control on independent drives.

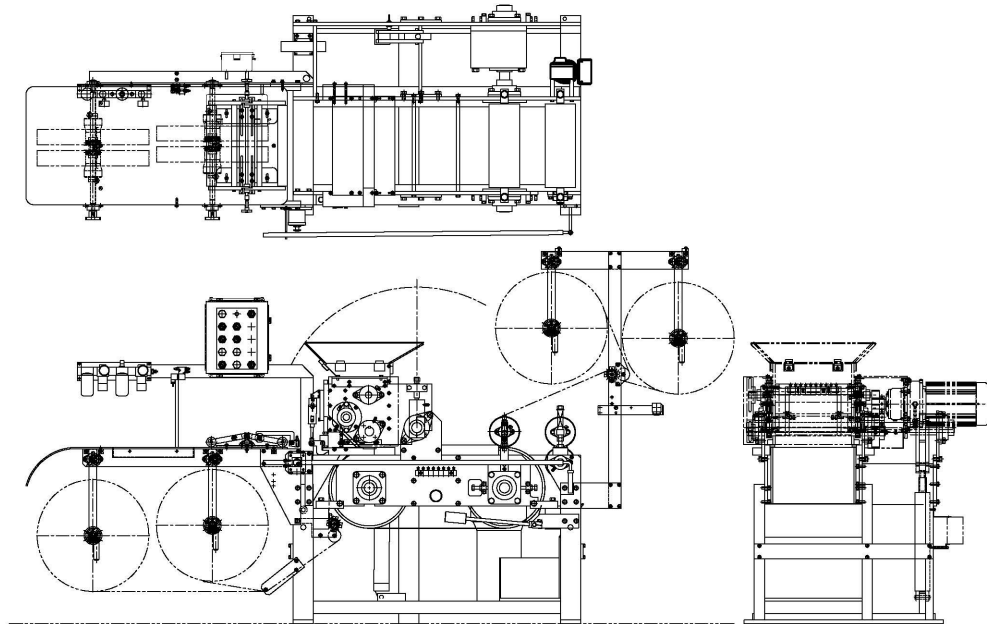
With the MAC Steel Belt Paster, you can paste continuous strip with top and bottom coverage with tight tolerances and high quality.

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# MAC Steel Belt Paster

## TECHNICAL SPECIFICATIONS



Shown here with the new-style paper roll feeders to improve change-out operation for minimum production down time.

### Operational Requirements:

<b>Personnel:</b>	One	<b>Plate thickness tolerance capability:</b>	± .08 mm (.003 inches)
<b>Hopper Base Width:</b>	305 mm (12 inch) 381 mm (15 inch)	<b>Compressed Air: (Clean/dry)</b>	Hopper raise/lower 70 CFM @ 80 psig/5.52 bar
<b>Electric motors on paster:</b>	(1) 7.5, (1) 1/3 HP, and (1) 10 HP on hopper 1750 RPM @ 60Hz T.E.F.C. gear motors	<b>Electrical Consumption:</b>	22.0 kVA maximum
<b>Height with hopper down:</b>	1415 mm (55.5 inches)	<b>Height with hopper up:</b>	1684 mm (66.31 inches)
<b>Ventilation:</b>	Mechanical function does not rely on ventilation	<b>Belt and Hopper Drive:</b>	Mechanical
<b>Water:</b>	Only for cleaning	<b>Speed adjustment method:</b>	Variable frequency drive gear motors for hopper, belt, and finishing roll
<b>Standard Electrical requirements:</b>	220-480V, 3 phase, 50-60 Hz	<b>Approximate Shipping Weights and Dimensions:</b>	One Crate: 2388 mm x 1626 mm x 1626 mm (94 in. x 64 in. x 64 in.) 2360 Kgs. (5,204 lbs.)



*Helping to make the best batteries...yours.*

**MAC Engineering and Equipment Company, Inc.**

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