

TECHNICAL SPECIFICATION

CALEVA MINI COATER CLASSIC (MCC)

With Flexible Top and Bottom Spray Options



MINI COATER CLASSIC (MCC)

Coat and dry small batches of tablets, pellets and capsules with the Mini Coater Classic (MCC) from Caleva. This bench-top coater features intuitive digital touchscreen controls for the adjustment of process parameters. It is capable of coating a single tablet or capsule, or a few grams of pellets. The small batch size capability makes it ideal for formulation development, coating trials, and proof-of-concept, especially when materials are scarce or expensive.



Features

- ✓ 7" Touchscreen Display
- ✓ Intuitive User Interface
- ✓ Compact Bench-Top Design
- ✓ Coat a Single Tablet or Capsule
- ✓ Suitable for Pellets as Small as 400µm
- ✓ Adjustable Process Parameters
- ✓ Excellent Visibility of Coating Process
- ✓ Easy to Assemble & Clean
- ✓ Peristaltic Pump with Prime Function
- ✓ Flexible Spray Components Using the Same Unit

Standard Product Configuration:

- Software – MCC1.01
- 230V 50/60Hz – Part Number: MCC-230
- 110V 50/60Hz – Part Number: MCC-110
- Top Spray Expansion Chamber Assembly – Part Number: MX512301

OR

- Bottom Spray Assembly – Part Number: MX512201

Optional Components Only:

Top Spray Assembly Components Only – Part Number: MX512302

Bottom Spray Assembly Components Only – Part Number: MX512202

Electrical Supply: 1ph 230V AC or 110V AC 50/60Hz

Base Machine Mass: 20kg

Base Machine Dimensions: 490 (W) x 560 (D) x 400 (H) mm

Processing Temperature Range: 25°C – 75°C

Compressed Air Supply: 0.3 to 0.6MPa

Compressed Air Process Operating Range: 0.02-0.3MPa

Machine Cabinet: Polyurethane and 304 stainless steel

Product Contact: 316 stainless steel, FDA food approved plastics and borosilicate glass

Enclosure Ingress Protection Rating: IP31



Certificate Number: 1503



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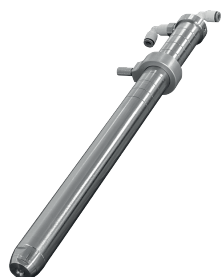


MINI COATER CLASSIC (MCC) SPRAY HEAD OPTIONS

The Mini Coater Classic (MCC) is available with top and bottom spray head options. Both spray heads are interchangeable and can be used on the same base unit to increase flexibility.

Top Spray Head

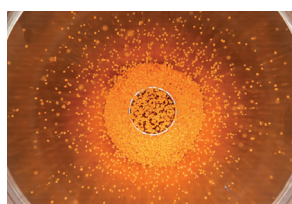
- ✓ Coat a Single Tablet or Capsule
- ✓ Suitable for Pellets as Small as 400µm
- ✓ Adjustable Process Parameters
- ✓ Easy to Assemble & Clean
- ✓ Test the Coatability of Tablets, Pellets and Capsules
- ✓ Adjustable to optimise coating efficiency



Processing Capacity: From as little as 1 tablet up to 150 tablets (approximately 50 g), or a few grams of pellets up to approximately 20 g.

Top Spray Lance: Adjustable height to optimise coating efficiency.

Small scale top spray coating enables the development of new coating solutions, or to test coatability of tablets, pellets, and capsules.



Bottom Spray Head

- ✓ Good Particle Circulation & Mixing
- ✓ Suitable for Pellets as Small as 400µm
- ✓ Separation Between Spray & Drying Zones
- ✓ Easy to Assemble & Clean
- ✓ Improved Droplet-Particle Interaction
- ✓ Coat up to 50g of tablets or pellets
- ✓ Suitable for Scale Up Studies Based on Fit, Form and Function Criteria



Processing Capacity: Optimal range for both tablets and pellets is 25g to 50g.

Bottom Spray Head: Clear separation between the spray and drying zones.

Small scale bottom spray coating enables the development of new coating solutions, to test coatability of tablets, pellets, and capsules, and allows for scale up studies based on the fit, form, and function criteria.



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