

Tablet Coating Pan, 24 in, Stainless Steel

Operating Manual

Pharmaceutical Equipment

Intended use

Rotating stainless steel pan with variable-speed drive and integrated hot-air blower for sugar coating, film coating and panning of tablets and similar products in small batches.

Intended users

Trained pharmaceutical, nutraceutical, confectionery and laboratory production personnel.

Read this manual completely before first use and keep it with the product. This document provides general operating, care and safety guidance. Where the product is supplied with manufacturer labeling or instructions, those take precedence. For questions, a replacement copy, or a digital copy of this manual, email sales@scimedstore.com.

1. Safety

Safety warnings and cautions

- Connect only to a grounded outlet with the supply voltage marked on the unit. Installation should be done by a qualified electrician.
- Disconnect power before cleaning, maintenance or reaching into the pan.
- Do not allow liquids to enter the motor, blower, heater or control panel.
- Keep hands, hair, loose clothing and tools away from the rotating pan.
- Hot-air outlet and pan surfaces can become hot; avoid contact during and after operation.
- Use only non-flammable coating solutions unless your facility has suitable explosion-protected equipment and ventilation.
- Wear appropriate PPE, including gloves, eye protection and a dust mask, and ensure adequate ventilation.
- Place the unit on a level floor that can bear its weight; do not move it while running.

2. Package contents

- Coating pan unit with variable-speed drive and integrated hot-air blower

Check contents on receipt. Report missing or damaged items to sales@scimedstore.com within 48 hours of delivery.

3. Specifications

Pan diameter	24 in (610 mm)
Pan material	SS 316L, electropolished contact surfaces
Pan shape	Conventional round-bottom
Batch capacity	~4-6 kg tablets typical
Rotation speed	Variable, 8-40 RPM (AC drive with VFD control)
Pan inclination	Fixed, ~35°
Hot-air blower	Integrated; adjustable 40-80 °C; 200-400 CFM
Pan motor	0.5 HP AC, single-phase
Blower motor	0.25 HP
Heater	1.5 kW
Power supply	220 V, single-phase, 50 Hz (110 V/60 Hz on request)
Spray system	Not included; compatible with standard peristaltic pump and spray gun
Overall dimensions	~1,000 x 800 x 1,200 mm
Weight	~80 kg

4. Unpacking and setup

- 1 Uncrate the unit with suitable lifting equipment and inspect for transport damage.
- 2 Place on a level floor with clearance around the pan and blower.
- 3 Check that the supply voltage marked on the unit matches your local supply and connect to a grounded supply.

- 4 Clean the pan interior before first use.
- 5 Run the pan empty at low speed to confirm smooth rotation.
- 6 Switch on the blower and heater briefly to confirm they operate.
- 7 If using a spray system, mount the spray gun and pump according to their own instructions.

5. Operation

Starting a coating batch

- 1 Load core tablets into the pan, typically to about one-third of the pan mouth depth.
- 2 Start rotation at a low speed and increase to the speed required by your process.
- 3 Switch on the hot-air blower and set the temperature required by your coating process.
- 4 Allow the tablet bed to warm before applying coating.

Applying coating

- 1 Apply coating solution by spray or by hand ladling in controlled portions, according to your validated process.
- 2 Allow each layer to dry before applying the next.
- 3 Monitor the tablet bed for sticking, twinning or uneven coating and adjust speed, air temperature or application rate per your process.
- 4 Check weight gain on samples at intervals.
- 5 Stop application when the target coating is reached.

Finishing and unloading

- 1 Continue rotation with the heater off or with cool air to dry and cool the tablets.
- 2 Apply polish if your process requires it.
- 3 Stop the pan, switch off the blower and disconnect power.
- 4 Unload tablets into a clean container.
- 5 Inspect tablets for coating defects before release.

6. Cleaning and disinfection

- Disconnect power and allow the pan to cool.
- Remove residual coating material with a soft scraper; do not use metal tools that could scratch the pan.
- Wash the pan with warm water and suitable detergent; rinse with purified water.
- Sanitize per your facility's cleaning procedure and dry fully.
- Wipe the exterior frame and controls with a damp cloth only; do not hose down electrical parts.
- Clean thoroughly between products to prevent cross-contamination.

7. Maintenance and storage

- Check the drive belt, if fitted, for wear and tension periodically.
- Clean the blower air intake and check heater operation regularly.
- Check electrical cables and connections for damage.
- Keep the pan covered when not in use.
- Refer electrical and motor repairs to qualified service personnel.

8. Troubleshooting

Problem	Likely cause	What to do
Pan does not rotate	No power, speed control at zero, or motor fault	Check supply and settings; contact service if the motor does not run.
Tablets stick together	Coating applied too fast or insufficient drying	Reduce application rate and allow longer drying between layers.
Rough or uneven coating	Uneven tumbling or application	Adjust pan speed and batch size; apply coating evenly.
Blower runs but no heat	Heater set too low or heater fault	Check temperature setting; contact service if the heater does not work.
Excessive vibration or noise	Overload or loose mounting	Reduce batch size and check fasteners; stop and contact service if it continues.

9. Disposal

- Dispose of coating waste per your facility's waste procedures.
- Dispose of the unit as electrical equipment and recycle stainless steel in accordance with local regulations.

10. Warranty and support

Products are covered by SciMed's standard warranty (12 months from purchase unless a different period is stated on your invoice). Warranty terms: scimedstore.com/pages/warranty.

Support, spare parts and additional copies of this manual: sales@scimedstore.com. Please include your order number and a photo of the product or issue.

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