

# CHEMICAL PLANT & ENGINEERING

Agent and manufacturer under license for A & J MIXING INTERNATIONAL

## VACUUM COATERS

**Chemical Plant & Engineering** is the Australian and South East Asian agent and manufacturer under license for A & J Mixing International Inc – Canada. A & J premium Vacuum Coaters offer cost effective solutions for the addition of liquids, oils and tallow to processed pellets.

### EQUIPMENT FEATURES

Complete packaged system including:

- pressure vessel
- vacuum pumps
- receiver
- oil tanks
- valves
- piping and controls

- Vacuum and atmospheric coating capability
- Low profile vessels minimizing volume and vacuum pump requirements
- Multiple oil entry systems with multiple pressures to add from 0.1% to 25% per cycle. Higher levels with additional cycles
- Typical cycle time 3 minutes with vacuum; 1.5 minutes atmospherically
- Coater mounted on load cells and used as the weigh vessel
- Greater than 99% energy efficiency rating
- Proven reliable vacuum rated valves
- Shaft mounted gear motor drives
- Draw to 27' of mercury (-920 millibars) vacuum
- Adjustable slide gate vacuum valves for longer life

### APPLICATIONS

- Fish Feeds
- Pet Foods

### BENEFITS

- Improved product quality from reliable repeat performance
- Low cost solutions, high value
- Blend friable ingredients, no post screening required
- Operational Flexibility
  - 1 Coat – Vacuum
  - 2 Vacuum - Coat
- Longer pump and filter life through use of smaller (hot running) vacuum pump thereby eliminating condensation
- No “salt & pepper” effect, completely even coatings
- Mix and coat without degradation
- Less space required
- Low operating costs



AJSP 304-6D Vacuum, 1000 litre batch capacity.

System capacity 9 tonnes per hour. Carbon steel pressure vessel quality.

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