

FINISH•MASTER™

Spin Coater for 3D parts



■ **FM-R-200 VPC**

■ **Enclosed Material tank means No Waste!**



■ **FM-R-100**

Bel Air's centrifugal coating machines come in a variety of machine sizes to meet your needs

It's **reusable material tank** allows for dip-spinning and storage, all in one vessel.

The **hydraulic drive motor** provides rapid acceleration and deceleration to facilitate parts movement for maximum coating efficiency. The motor can run at an **infinitely variable range between 0 and 1400 RPM.**

The R-50 is a **perfect fit for coating development and laboratory use.**

Bel Air is a System Integrator and all equipment can be modified or adapted to fit Cellular or JIT manufacturing platforms.



■ **FM-R-50**

Spin Coating

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The **Bel Air Standard Coating Machine** is a combination dipping and spinning machine for completely coating large quantities of small parts with liquid coatings such as paints, dye, bonding adhesives, dispersions, waxes, oils and many more. To keep evaporation of the coating substance to a minimum, the material tank is enclosed within the machine. Also, to assure the proper material flow on the parts being coated, both operations are performed within the solvent atmosphere – this permits the spun off coating to remain in the tank – NO WASTE.

The **Bel Air FM R-200 VPC** is totally programmable: allowing for absolute coating consistency and more efficient operation. The FM R-200VPC significantly increases production and profits and can coat up to 24,000 cubic inches of parts per hour with just one operator – account for 50% greater capacity than the manually run FM-200V when using one operator. The FM R-200VPC allows you to bulk coat with dye, lacquers, enamels, waxes, liquid lubricants and adhesives to your exact specifications by storing 16 different timed dip-spin profiles. The coating process is completed with zero liquid discharge

Standard Features

- Work Basket
- Material Tank
- Mechanical Sliding Door
- Explosion Proof Electrical Controls
- Explosion Proof Spin Motor
- Explosion Proof Hydraulic lift Motor

Optional Equipment & Accessories:

- **Basket:** Aluminum basket with removable bottom.

Approximate Production Rates

| Model | Typical Load Ranges (Cu. In) | Typical Cycle Time in Minutes | Coating Cycles /hr | Cubic inches of Parts/hr |
|--------------|------------------------------|-------------------------------|--------------------|--------------------------|
| FM R-100 | 100-200 | 3.0 - 1.5 | 20-40 | 2000-8000 |
| FM R-200 V | 400-800 | 4.5 - 3.0 | 13-20 | 5,320 - 16,000 |
| FM R-200 VPC | 400-800 | 3.5 - 2.0 | 17-30 | 6, 840 - 24,000 |

Equipment Specifications

| Model | Dimensions (L x W x H, in.) | Material Tank | Motor HP | Basket Volume (Cu. In.) | Basket Diameter (in.) | Basket Depth (in.) | Weight (Pounds) | Voltage/Phase |
|----------|-----------------------------|----------------|----------|-------------------------|-----------------------|--------------------|-----------------|---------------|
| FM R-50 | 24x24x39 | 1 gal, Plastic | 1/2 | 62 | 4.5 | 4(2.5 useful) | 325 | 220/3 |
| FM R-100 | 24 x 24 x 72 | 3 gal, SS | 1 | 312 | 10 | 4 | 460 | 110/220/3 |
| FM R-200 | 42 x 36 x 72 | 7 gal, SS | 3/4 | 1206 | 16 | 6 | 875 | 230/460 |
| FM R-200 | 52 x 48x 67 | 7 gal, SS | 3/4 | 1206 | 16 | 6 | 1350 | 230/460 |