



THE THOMAS SOLUTION
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WITH THE SUPPORT YOU EXPECT.

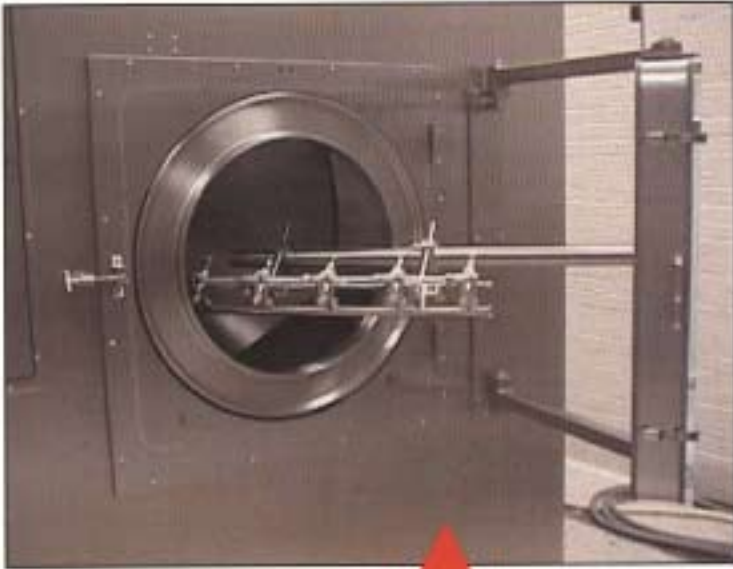
V Series Accela-Cota

The V Series Accela-Cota, with its solid, easy maintenance, cost friendly features is targeted for applications requiring low-margin batch runs and cost-conscious manufacturing and is the perfect solution for vitamin and nutritional supplement tablet coating needs.



Thomas Engineering's V Series Accela-Cota coating system will minimize process time and maximize coating quality - the perfect solution.

V Series Accela-Cota



The spray arm is designed to be more "Robust" to eliminate sagging when the spray manifold is in place.

The standard manifold mounting hardware provided allows for both indexability and repeatability. Repeatability is by means of engraved markings at each incremental adjustment.



The V-Spray configuration (not shown) includes the following:

- ▼ Peristaltic pump.
- ▼ 115 vac digital pump controller.
- ▼ Solution lines and fittings.
- ▼ Pneumatic lines and fittings.
- ▼ Manifold mounting hardware.
- ▼ Pneumatic controls (manual) for atomizing and trigger air (optional).
- ▼ Recirculation valve to allow solution to be returned to mix tank (optional).



Controls for the V Series are offered either in manual or PLC versions. Both offer the operator interface in a NEMA4 style pendant mounted enclosure.

The color touchscreen interface used on the PLC version is shown in this picture. This version has all of the pan and AHU controls integrated together.

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The V Series comes standard with a direct drive to rotate the pan. This arrangement eliminates chains, belts and maintenance over the years.

The exhaust plenum is a 1-piece ergonomic design. It is lighter weight and easier to slide in and out on the guides provided.

A magnetic pick-up (not shown) is integral to the drive and is interfaced to the control system to provide the actual RPM of the rotating coating pan.

The pan race (not shown) is now integral to the pan making it a cleaner design.

The trunnion rollers (not shown) are exposed on the inside of the cabinet. This allows for easy access to inspect, clean and replace. The new trunnion rollers do not require greasing.

All of the doors are provided with safety type magnetic interlock switches to stop pan rotation when opened.



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ACCELA-COTA, "V" SERIES SPECIFICATIONS

DESCRIPTION: PRODUCTION-SIZE COATING PAN (SINGLE WALL) USED TO APPLY COATING SOLUTIONS TO PHARMACEUTICAL TABLETS.

APPLICATION: PRODUCTION BATCHES ACCOMMODATED BY THE "V" SERIES ACCELA-COTA FOR AQUEOUS FILM COATING.

DIMENSIONS & WEIGHT:

| | 60V | 60VXL |
|------------------------------|----------------------|----------------------|
| PAN DIAMETER: | 60 IN. | 60 IN. |
| OVERALL HEIGHT: | 85 $\frac{1}{2}$ IN. | 85 $\frac{1}{2}$ IN. |
| OVERALL WIDTH: | 78 IN. | 78 IN. |
| OVERALL DEPTH: | 70 IN. | 75 IN. |
| AIR INLET: | 12 X 25 IN. | 12 X 25 IN. |
| AIR EXHAUST: | 12 X 25 IN. | 12 X 25 IN. |
| PAN OPENING (Diameter): | 19 IN. | 19 IN. |
| FLOOR TO PAN CENTER LINE: | 49 $\frac{1}{2}$ IN. | 49 $\frac{1}{2}$ IN. |
| SIDE CLEARANCES: | 60 IN. | 60 IN. |
| BACK CLEARANCE: | 48 IN. | 48 IN. |
| FRONT CLEARANCE (Doors): | 38 IN. | 38 IN. |
| FLOOR CLEARANCE (Foot Pads): | 4 IN. | 4 IN. |
| NET WEIGHT OF ACCELA-COTA: | 2800 LBS. | 3200 LBS. |

PAN CAPACITIES:

| | | |
|------------------------|----------|----------|
| BRIM VOLUME: | 490 LTR. | 560 LTR. |
| MINIMUM VOLUME: | 100 LTR. | 120 LTR. |
| BRIM LOAD @ 1kg/ltr: | 490 KG. | 560 KG. |
| BRIM LOAD @ .75kg/ltr: | 370 KG. | 420 KG. |

SPECIFICATIONS:

| | | |
|-----------------------------|---------------|---------------|
| MAXIMUM BED DEPTH: | 20 IN. | 20 IN. |
| AIR VOLUME: | 4000 CFM | 4000 CFM |
| PAN PERFORATIONS: | .117"Ø | .117"Ø |
| PAN OPEN AREA: | 51% | 51% |
| INSIDE SURFACE AREA OF PAN: | 8,730 SQ.IN. | 9680 SQ.IN. |
| PAN DEPTH: | 49" | 54" |
| PAN SPEED: | 1.5 TO 12 RPM | 1.5 TO 12 RPM |

UTILITIES:

| | | |
|--------------------|------------------------------------|-----|
| DRIVE: | VFD | VFD |
| POWER: | 5HP | |
| ELECTRICAL RATING: | NEMA 4X | |
| XR ELECTRICS: | NO | NO |
| VOLTAGE: | 208V, 230V, 460V, OR 575V/3PH/60HZ | |
| CLEAN AIR: | 60 PSI | |

Thomas Engineering Inc.
575 W. Central Road
Hoffman Estates, IL 60195-0198
Phone: 847/358-5800 Fax: 847/358-5817
Toll Free: 800/634-9910 Website: thomaseng.com