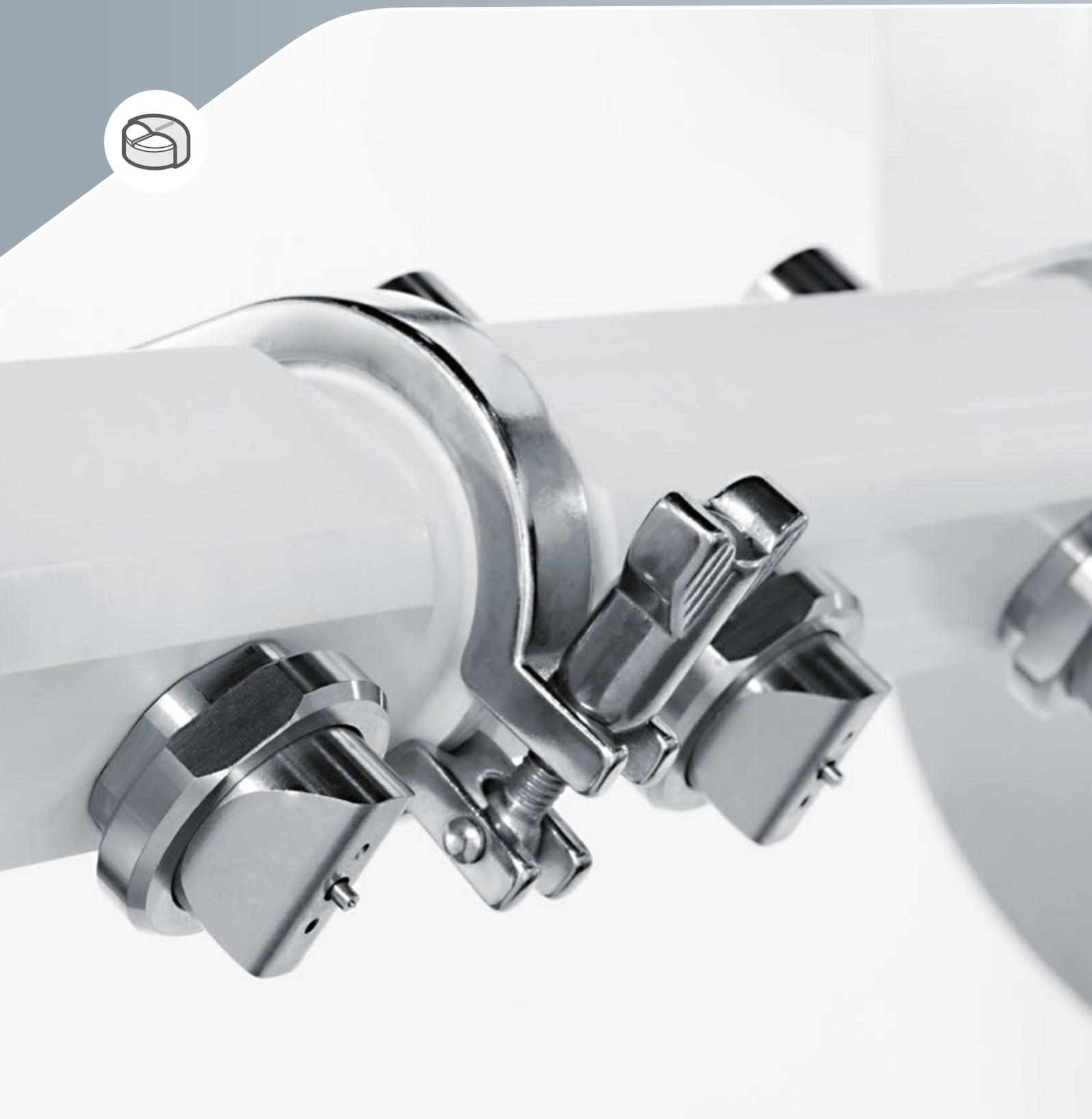


# ACCELA COTA PRO

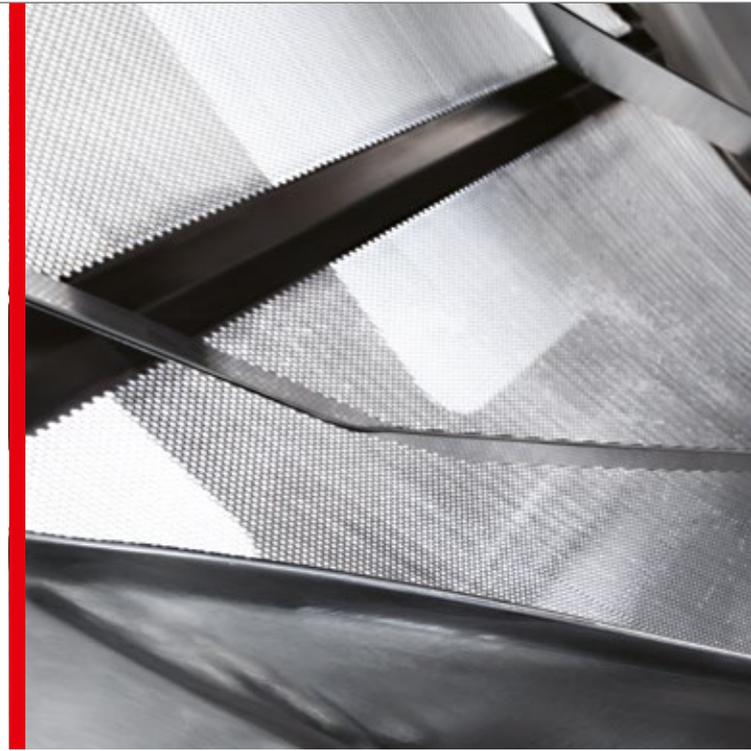
PHARMACEUTICAL TABLET COATER



# ACCELA COTA PRO

Thomas Processing, the originator of the ACCELA COTA, is a partner in the pharmaceutical solid dosage processing industry with more than 60 years of experience helping customers develop and manufacture pharmaceutical products that are accurate, efficient and cost effective.

Companies that choose Thomas Processing understand the value of entering a partnership with the market's leading name for tablet coating systems. Beyond just the equipment and controls, the benefits include decades of knowledge and experience in this area, and this expertise ensures reliable performance and consistently excellent finished products for many years.





## ENGINEERED FOR CLEANABILITY

ACCELA COTA PRO models are engineered for fast, effective cleaning – whether manual or fully automated. The system’s “total access” design supports swabbing and inspection, while integrated Wash-In-Place (WIP) features enable repeatable, recipe-driven cleaning cycles.

Wash-in-Place features include:

- SANITARY CONSTRUCTION WITH SMOOTH, SLOPED SURFACES FOR COMPLETE DRAINAGE AND DRYING
- ROTATING NOZZLES FOR COMPLETE INTERNAL WASH COVERAGE
- ZONED CIRCUITS WITH INDEPENDENT CONTROL VALVES
- AUTOMATED CLEANING SEQUENCES MANAGED BY RECIPE
- OPTIONS FOR DETERGENT DOSING, SENSORS, AND WASH SKIDS

## PRECISE SOLUTION DELIVERY FOR REPEATABLE RESULTS

The ACCELA COTA PRO solution delivery system provides precise, stable flow for consistent coating results. With integrated recirculation and flexible flow control options, it supports efficient operation, clean design, and easy process validation.

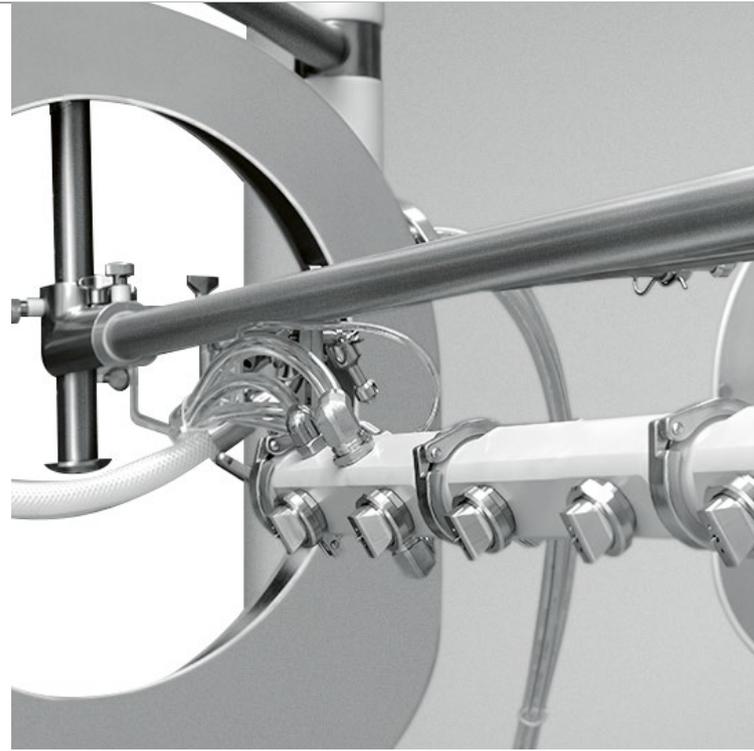
Solution delivery includes:

- FUNCTIONALITY WITH PERISTALTIC PUMPS FOR MOST AQUEOUS AND SOLVENT COATING PROCESSES – FILM, ENTERIC, FUNCTIONAL AND DRUG LAYERING
- ALTERNATE PUMP AND LINE CONFIGURATIONS FOR SUGAR COATING APPLICATIONS
- CHOICE OF FLOW MEASUREMENT METHODS:
  - VOLUMETRIC FLOWMETER
  - MASS FLOWMETER
  - SOLUTION TANK ON A FLOOR SCALE
- RECIRCULATION SYSTEM ENSURES STEADY SOLUTION MOVEMENT AND PREVENTS SETTLING OF SOLIDS DURING SPRAY PAUSE CYCLES

# ACCELA COTA PRO

## THOMAS SPRAY BAR® — ENGINEERED FOR COATING EXCELLENCE.

The patented Thomas Spray Bar® (TSB) delivers coating performance and maintenance efficiency unmatched by traditional spray manifolds. Its innovative, fully integrated design eliminates exposed tubing in the process zone — improving airflow, preventing tablet entrapment, and enhancing spray uniformity. Trusted across all Thomas coaters — from laboratory to full-scale continuous systems — the TSB enables faster cleaning, reduced downtime, and more consistent coating results. It's one of the many reasons Thomas Processing equipment is preferred by leading pharmaceutical manufacturers worldwide.



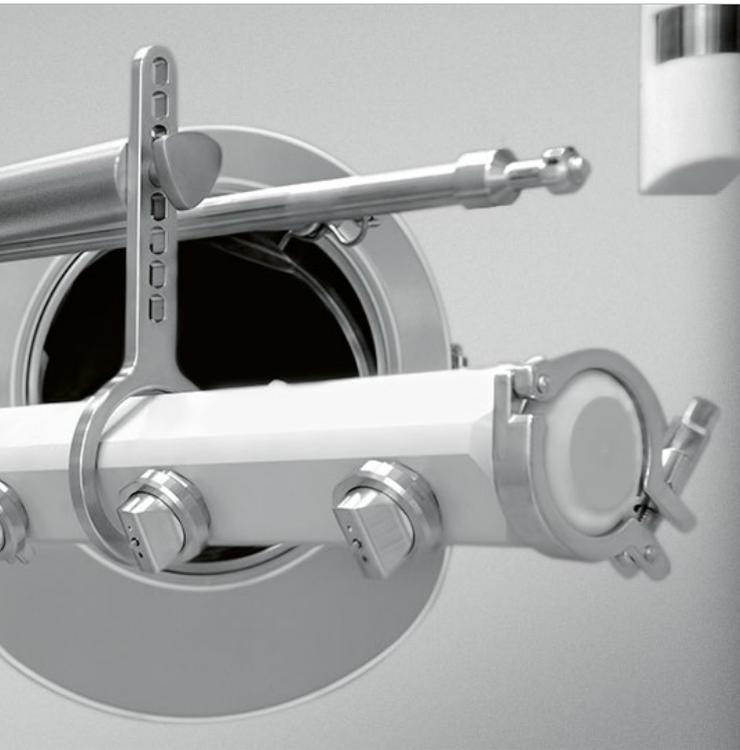
### SUPERIOR COATING PERFORMANCE

- ELIMINATES AIRFLOW DISRUPTIONS CAUSED BY EXPOSED TUBING INSIDE THE PROCESS ZONE
- SMOOTH, STREAMLINED PROFILE REDUCES TURBULENCE AND PREVENTS TABLET ENTRAPMENT
- MAINTAINS CONSISTENT SPRAY PATTERN AND COATING QUALITY, BATCH AFTER BATCH

### DESIGNED FOR CLEANABILITY

- MINIMAL MECHANICAL PARTS IN THE SOLUTION DELIVERY PATH
- 25% FEWER O-RINGS THAN OTHER MANIFOLD DESIGNS
- ALL COMPONENTS EASILY ACCESSIBLE FOR CLEANING AND VISUAL INSPECTION





### **THOMAS SPRAY BAR (TSB) PARTS CART**

Designed to keep your coating operations efficient and organized, the Thomas Spray Bar® parts cart provides a convenient way to store and transport TSB components. During cleaning or changeover, the cart ensures all parts are protected, easily accessible, and ready for fast reassembly — helping you maintain productivity and GMP compliance.

### **SMART MAINTENANCE DESIGN**

- NO NEED TO SHUT DOWN PUMP OR DRAIN LINES DURING NOZZLE CLEANING
- SOLUTION CONTINUES CIRCULATING DURING SPRAY PAUSE; PREVENTS SOLIDS SETTLING
- NOZZLE CLEANING TYPICALLY COMPLETED IN 5–10 MINUTES — VS. 45 MINUTES WITH TRADITIONAL MANIFOLDS

### **MODULAR, FLEXIBLE DESIGN**

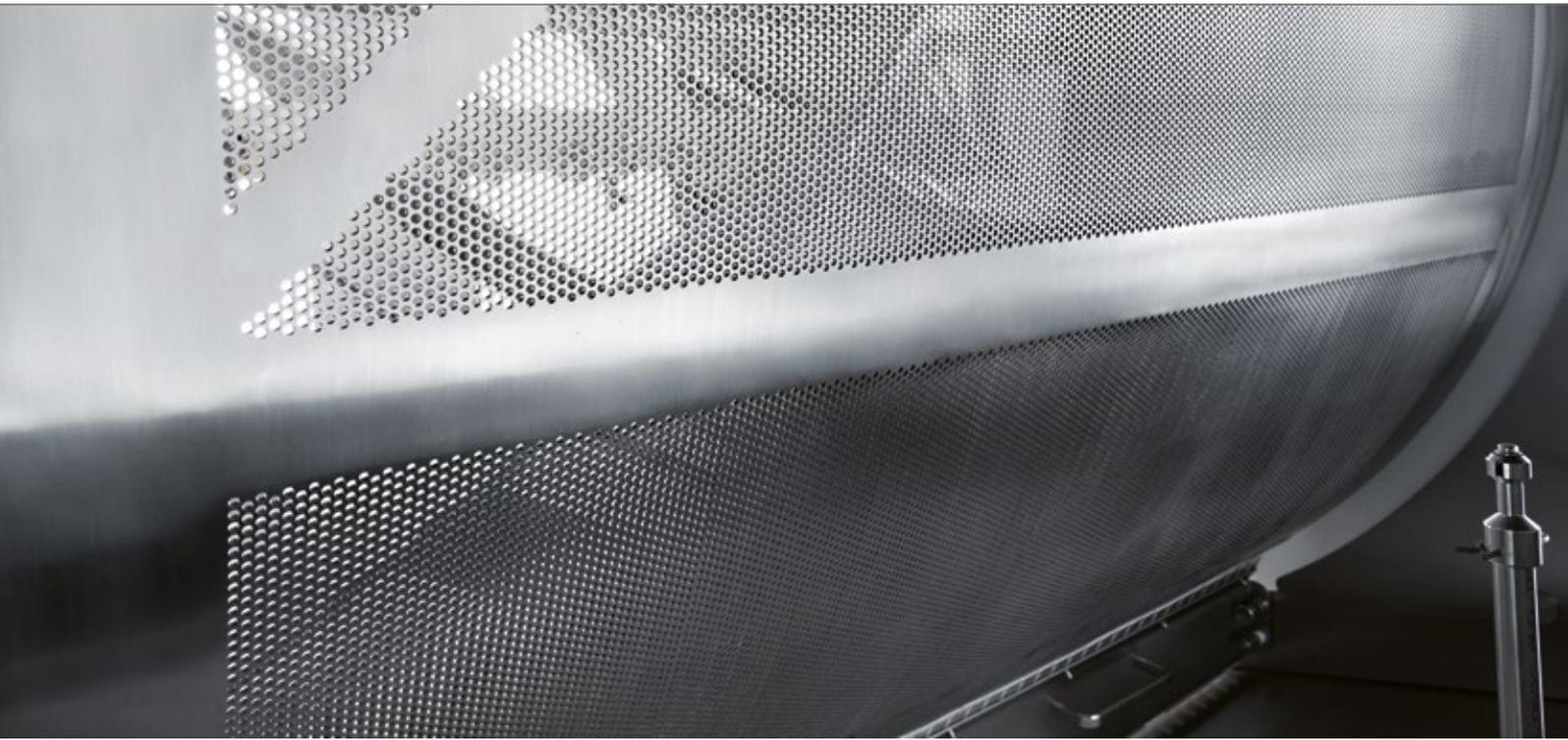
- INTERCHANGEABLE TSB SECTIONS SUPPORT RAPID CHANGEOVER
- LIGHTWEIGHT SECTIONS DESIGNED FOR EASY HANDLING BY A SINGLE OPERATOR
- SANITARY TRI-CLAMP CONNECTIONS FOR FAST, GMP-COMPLIANT ASSEMBLY AND DISASSEMBLY



### **OPERATOR INTERFACE AND EQUIPMENT MANAGEMENT**

ACCELA COTA PRO models are equipped with MAX, the latest generation of IMA HMI, created paying maximum attention to User Experience. MAX HMI is based on KORTEK iFix SCADA, IoT ready. The interface combines modern visual design with intuitive navigation, making interaction simple and the overall user experience exceptional.

# ACCELA COTA PRO



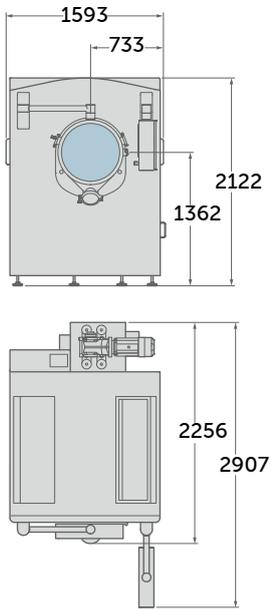
## GAME-CHANGING CYLINDRICAL DRUMS

Cylindrical coating drums deliver exceptional process stability and efficiency — and are available for every FLEX production model. Their geometrically streamlined design increases usable coating volume while optimizing airflow through the tablet bed. With a longer perforated section and larger plenum area, cylindrical drums enable superior mixing, higher spray efficiency, and faster throughput — all without increasing the equipment's footprint.

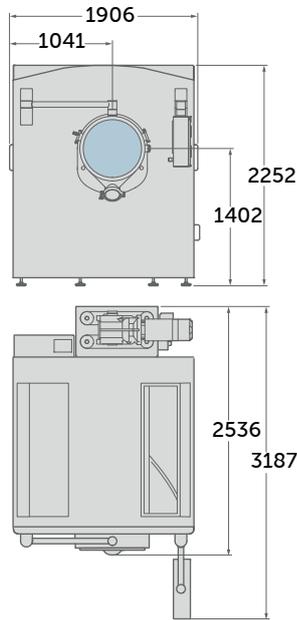
- CONSISTENTLY HIGH COATING QUALITY
- MAXIMUM COATING EFFICIENCY
- SUPERIOR MIXING AND PROCESS STABILITY
- TURBULENCE-FREE AIRFLOW WITHOUT INTERRUPTION

# TECHNICAL DATA

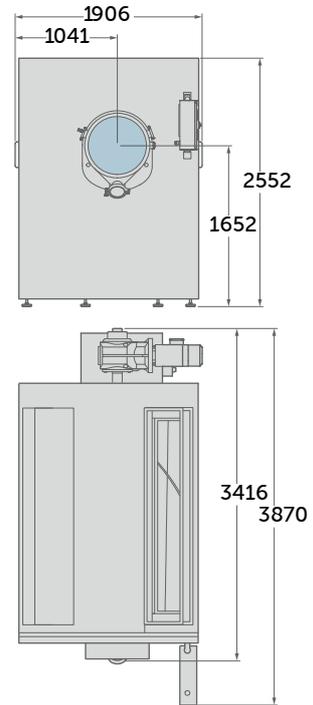
## PRO 48



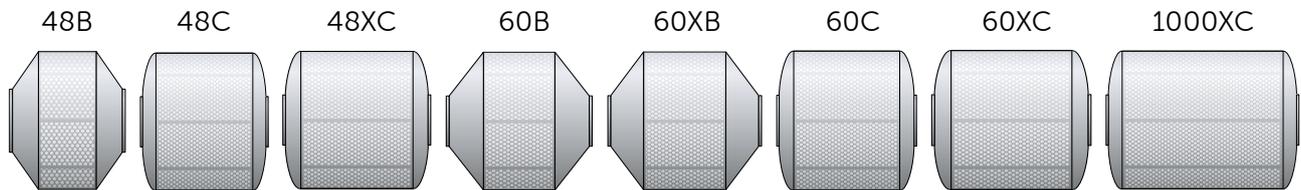
## PRO 60



## PRO 1000



## DRUM OPTIONS



DRUM MODEL	48B	48C	48XC	60B	60XB	60C	60XC	1000XC
Drum diameter	48" (1,220 mm)	48" (1,220 mm)	48" (1,220 mm)	60" (1,525 mm)	60" (1,525 mm)	60" (1,525 mm)	60" (1,525 mm)	60" (1,525 mm)
Drum capacity	190 l	250 l	325 l	460 l	530 l	530 l	750 l	1200 l
Recommened airflow	2,500 CFM (4,250 m <sup>3</sup> /hr)	2,500 CFM (4,250 m <sup>3</sup> /hr)	4,000 CFM (6,800 m <sup>3</sup> /hr)	4,000 CFM (6,800 m <sup>3</sup> /hr)	4,000 CFM (6,800 m <sup>3</sup> /hr)	5,000 CFM (8,500 m <sup>3</sup> /hr)	7,000 CFM (12,000 m <sup>3</sup> /hr)	10,000 CFM (17,000 m <sup>3</sup> /hr)
Width	60" (1,500 mm)			72" (1,800 mm)			75" (1,910 mm)	
Height	80" (2,000 mm)			86" (2,200 mm)			100" (2,550 mm)	
Depth	90" (2,300 mm)			100" (2,550 mm)			135" (3,415 mm)	
Net weight	4,125 lbs (1,875 kg)			5,500 lbs (2,500 kg)			6,875 lbs (3,125 kg)	

ima.it

IMA NORTH AMERICA INC. - THOMAS PROCESSING division  
marketing.active.it@ima.it • thomasprocessing.com  
FOLLOW IMA    

