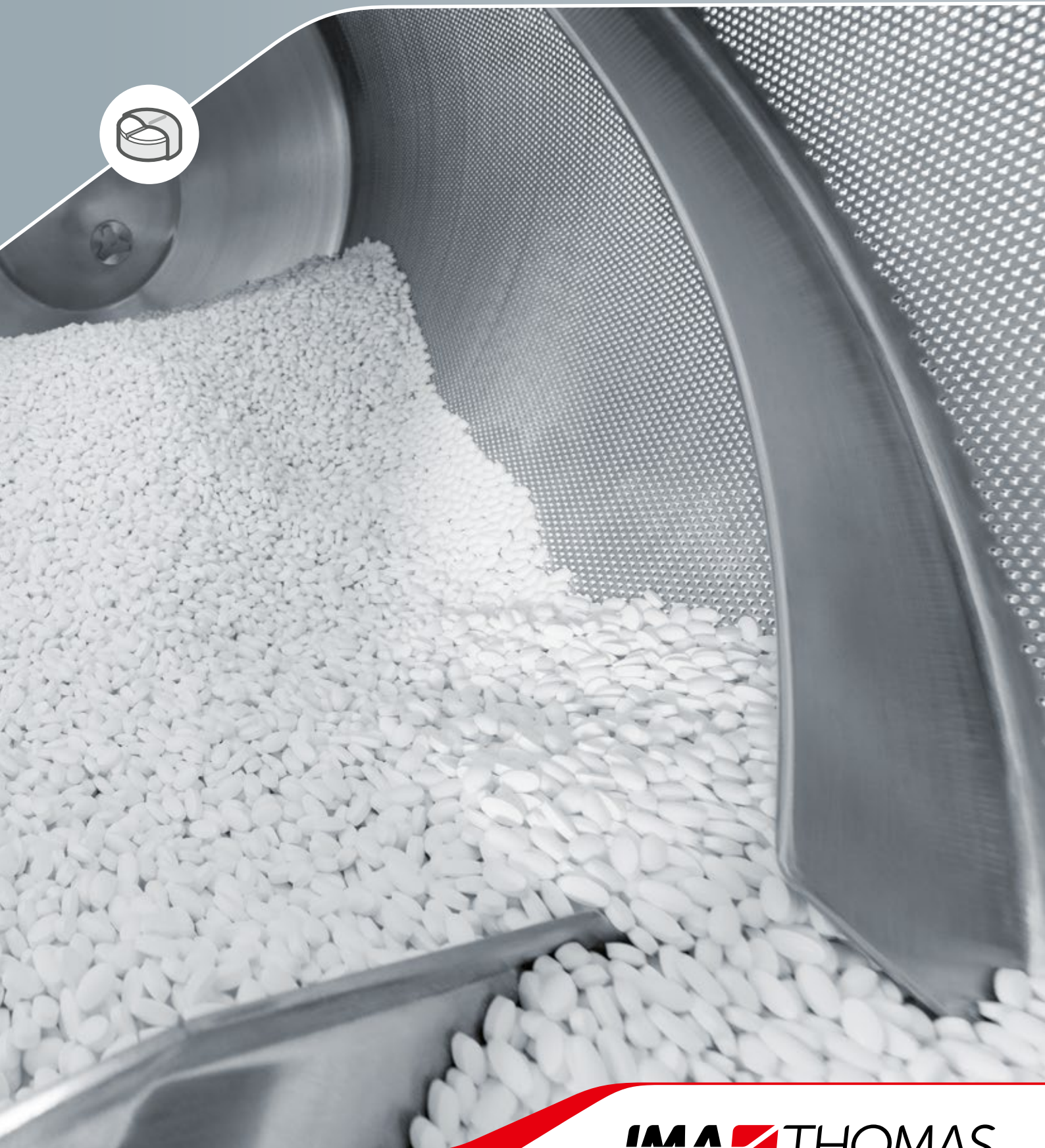


ACCELA COTA LAB

R&D TABLET COATER



ACCELA COTA LAB

COMPACT CAPABILITIES FOR YOUR LAB.

ACCELA COTA LAB is the newest addition to the ACCELA COTA series of fully perforated drum coaters. A must-have coater for formulation and scale-up studies, ACCELA COTA LAB easily achieves production-scale quality in a compact and portable system. ACCELA COTA LAB emphasizes all the hallmarks of the ACCELA COTA system, being evidence of Thomas' passion for building on the tradition of innovation. Compliant with the most stringent GMP guidelines and highly ergonomic, ACCELA COTA LAB provides a unique combination of flexibility, functionality, and ease of handling.





MACHINE HIGHLIGHTS

- PORTABLE SELF-CONTAINED SYSTEM FOR MULTI-PURPOSE SUITES
- EXCHANGEABLE DRUMS TO BEST SUIT THE INTENDED PROCESS
- THOMAS SPRAY BAR WITH PRODUCTION CLASS NOZZLES
- SPECIALIZED HARDWARE FOR REPEATABLE SPRAY BAR POSITIONING
- ERGONOMIC DESIGN FOR STREAMLINED LABORATORY WORKFLOW
- GMP FOR PRODUCTION OF CLINICAL SUPPLIES AND SMALL-BATCH COMMERCIAL PRODUCTS
- ON-BOARD CONTROLS WITH INTUITIVE USER INTERFACE

FULLY INTEGRATED SPRAY SYSTEM

- STREAMLINED SANITARY DESIGN
- NO AIR AND SOLUTION LINES OVER SPRAY ZONE
- SCHLICK ABC™ ANTI-BEARDING SPRAY NOZZLES
- INDEPENDENT CONTROL OF PATTERN AND ATOMIZING AIR
- TOOL-FREE SETUPS AND ADJUSTMENTS
- MODULAR ERGONOMIC DESIGN

ACCELA COTA LAB

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

NEW SIMPLIFIED CONTROL SYSTEM

KORTEX Lab is a control system designed specifically for laboratory and development environments while supporting cGMPs. It complements the coater perfectly with its strong focus on operator usability. The interface combines modern visual design with intuitive navigation, making interaction simple and the overall user experience exceptional. The PLC-based system includes a generous 10" color touch screen and full recipe control for multi-stage processes with aqueous, organic solvent and sugar coatings. Recipe and batch reports can be printed in PDF and electronic records support compliance with 21 CFR Part 11. Remote service assistance is available via an optional RSA device.



ACCELA COTA LAB

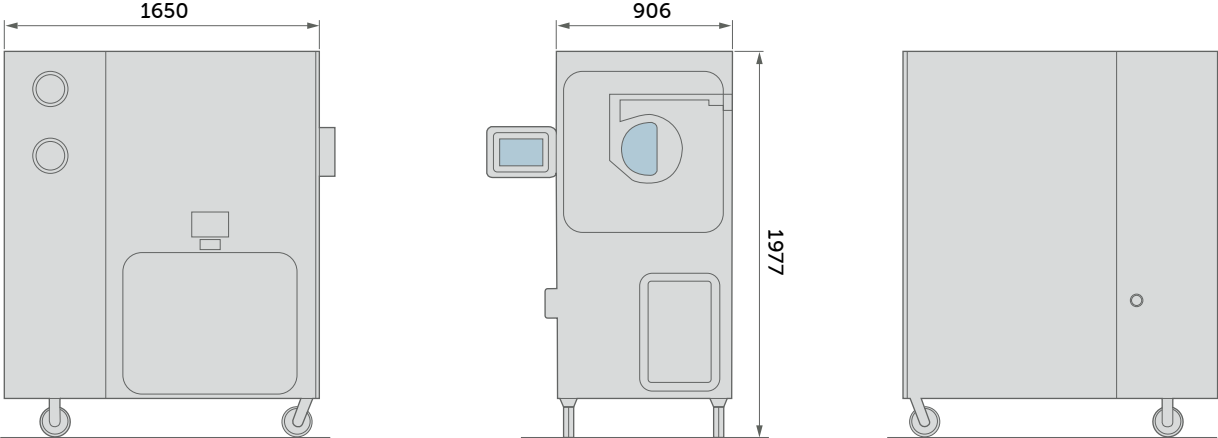


GAME-CHANGING CYLINDRICAL DRUMS

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
- PERFECT FOR FILM, FUNCTIONAL AND DRUG LAYER COATING

TECHNICAL DATA



Air handling unit not shown.

MODEL	ACCELA COTA LAB			
Drum diameter	15 in biconical (381 mm)	19 in biconical (483 mm)	24 in biconical (610 mm)	26 in cylindrical (660 mm)
Drum capacity	2 l	8 l	25 l	75 l
Airflow range	100-500 CFM (170-850 m ³ /h)			
Width	35.75" (906 mm)			
Height	77.75" (1,977 mm)			
Depth	67" (1,650 mm)			
Net weight	2,100 lbs (953 kg)			

ima.it

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