

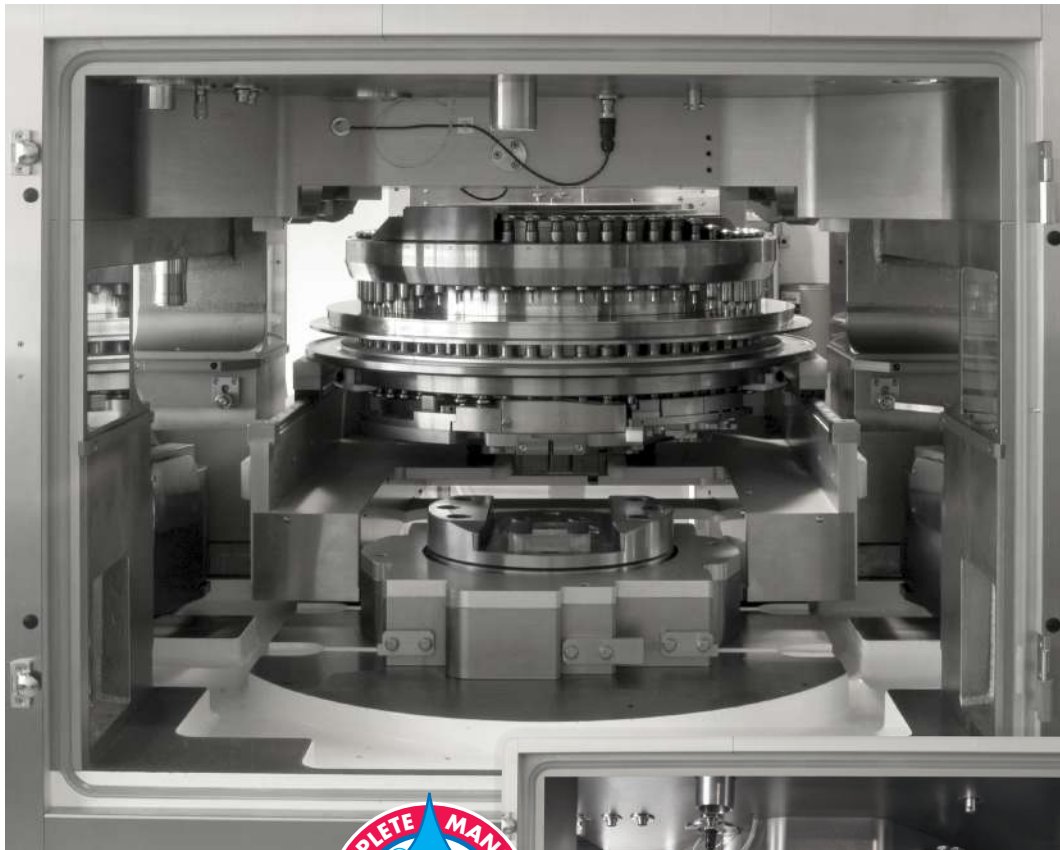


EXPERIENCE THE DIFFERENCE
THE ELIZABETH DIFFERENCE

HATA-CVX SERIES ROTARY TABLET PRESSES

TURRET AND PARTS REMOVAL FOR QUICK CHANGE-OVERS

The HATA CVX Series provides easy access for maintenance, turret and parts removal, and complete manual Wash-in-Place cleaning. Our easy-clean design features locking pins and thumb screws for a quick and easy, no tool disassembly.



*Turret removal shown in progress
and turret removed completely*



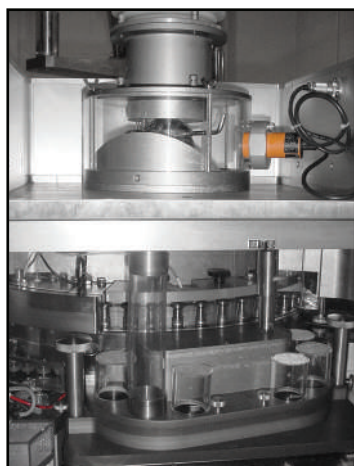


HATA CVX INTERCHANGEABLE TURRET TABLET PRESS SERIES

The HATA CVX Interchangeable Tablet Press Series gives you all of the features you need from the small batch single-sided press to the large double-sided production press. Elizabeth Hata's closed 2-stage feeding system and our state of the art software control system is standard on all HATA presses.

CVX Series Features:

- Quick-change-over from one product to another
- Easy-clean design with manual washdown
- Easy access for quick parts removal
- High visibility into the compression zone
- Portable user-friendly kiosk control
- Operates up to 100 RPM's



Closed 2-Stage Feeding System

HATA's patented closed 2-stage feeding system virtually eliminates tablet weight variation. Granulation is drawn from the bulk material hopper into the HATA supply hopper, then to the "closed" non-recirculating feed shoe in two stages. Our patented system allows the computer to monitor and control the rate at which the powder is being fed into both the supply hopper and the feed shoe. This ensures a consistent flow of granulation with minimal density variation.



Core Component Placement Technology

Patented Core Feeding System

- Allows an item to be inserted into a predetermined location within die
- Advanced technology for core-coating and time-release solid dosage tablets and core-component placement
- Utilizes a continuous chain positively synchronized to turret rotation
- Cores are held in position and slowly embedded into the tablet over 32-degrees of turntable rotation allowing accurate and repeatable damage-free placement
- Cores are normally centered, but can be off-centered if required
- Changes from core to bi-layer operation by simply switching the Core Feeder off
- Changes to tri-layer operation in less than 8 hours
- The first and second layer can be different products
- Exclusively offered on HATA CVX-LSU-3L tablet press.



*Exclusive Multi-Layer
Core-Coated
Tablet Application*





HATA High-Output Three Layer Tablet Press

The Hata CVX Triple Layer Tablet Press provides flexible, multi-layered production with optional Core-Tableting capability. Designed for clean, quiet and reliable high-speed production, the fully automated press delivers single-layer, bi-layer and tri-layer tablet production with automatic layer sampling and no mechanical modifications.

Features:

- Modular design on all lower roll and fill cam housings for easy removal and cleaning
- Easy Clean features on press interior for faster product changeover
- Tablet production of: single-layer, bi-layer, and tri-layer tablets
- Interchangeable turret design for tablet production flexibility and reduced downtime
- Individual layer sampling during press operation
- Patented two-stage closed feeding system eliminating tote "head" pressure
- Closed power feeder for increased product yield and elimination of cross contamination
- Adjustable 1st and 2nd layer upper punch penetration
- Engineered for complete manual washdown



The Elizabeth Companies understands all aspects of the tableting process because we have dedicated ourselves to providing world-class quality tooling and machinery to the Pharmaceutical industry for more than 60 years. We strive to achieve an unequalled level of customer service, satisfaction, communication and trust with our customers. Our advanced technology is the result of identifying our customers' needs and creating cost-effective solutions.

Summary CVX Technical Data

Model	SSU Single R&D	MSU Single	LDU Double	LSU-3L 3-Layer
NO. of Stations / Tooling	18 D	32 D	45 D	45 D
	24 B	38 B	55 B	55 B
	29 BB	45 BB	71 BB	71 BB
Max. tablets / hour (BB)	180,000	270,000	624,000	170,400
Max. tablet diameter	25mm (D), 16mm (B), 13mm (BB)			
Max. fill depth	18mm			multi
Pitch Circle Dia. (mm)	290	460	665	665
Max. compression force	50 kN	80 kN	80 kN	50 kN
Continuous operating force	40 kN	60 kN	60 kN	40 kN
Press Footprint (m2)	0.7	0.9	1.7	1.7
Press Height (m)	1.76	1.8	1.8	1.92
Press Weight (kg)	2,000	3,500	6,000	6,000
Power	380 - 480 V, 3 ph, 50 / 60 Hz			

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