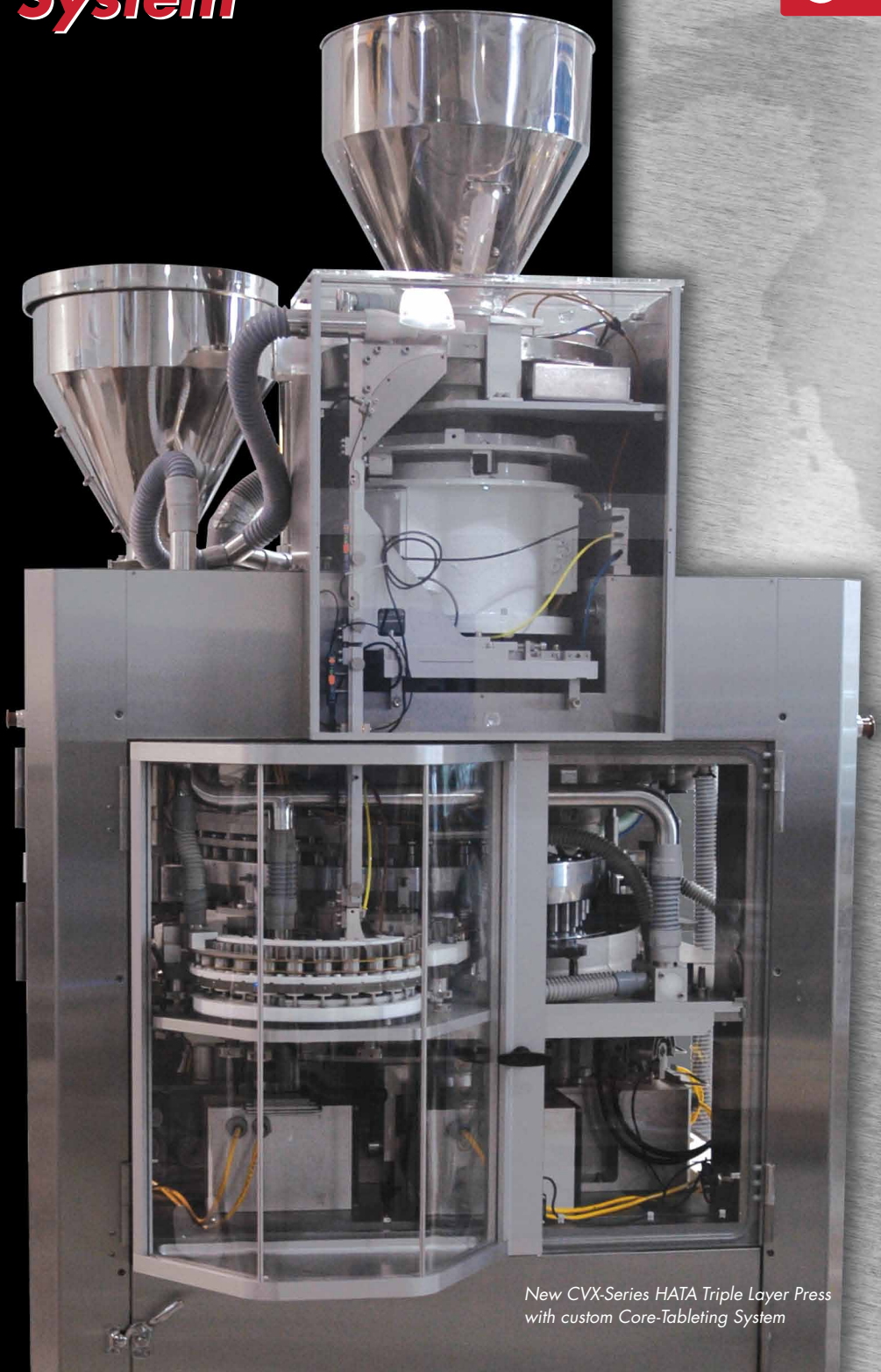
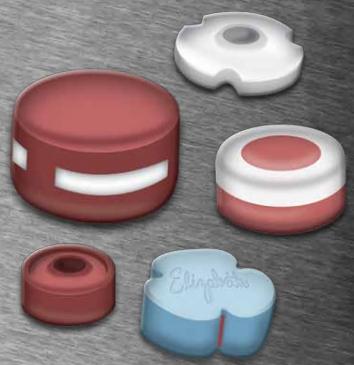
Hata Core-Tableting System

Elizabeth





New CVX-Series HATA Triple Layer Press with custom Core-Tableting System

Core-Component Placement Technology

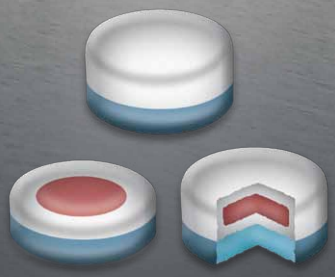
Patented Core Feeding System

The Hata Core-Tableting technology increases Hata's Triple Layer Press capabilities by efficiently producing single-layer, bi-layer, tri-layer and core-coated tablets.

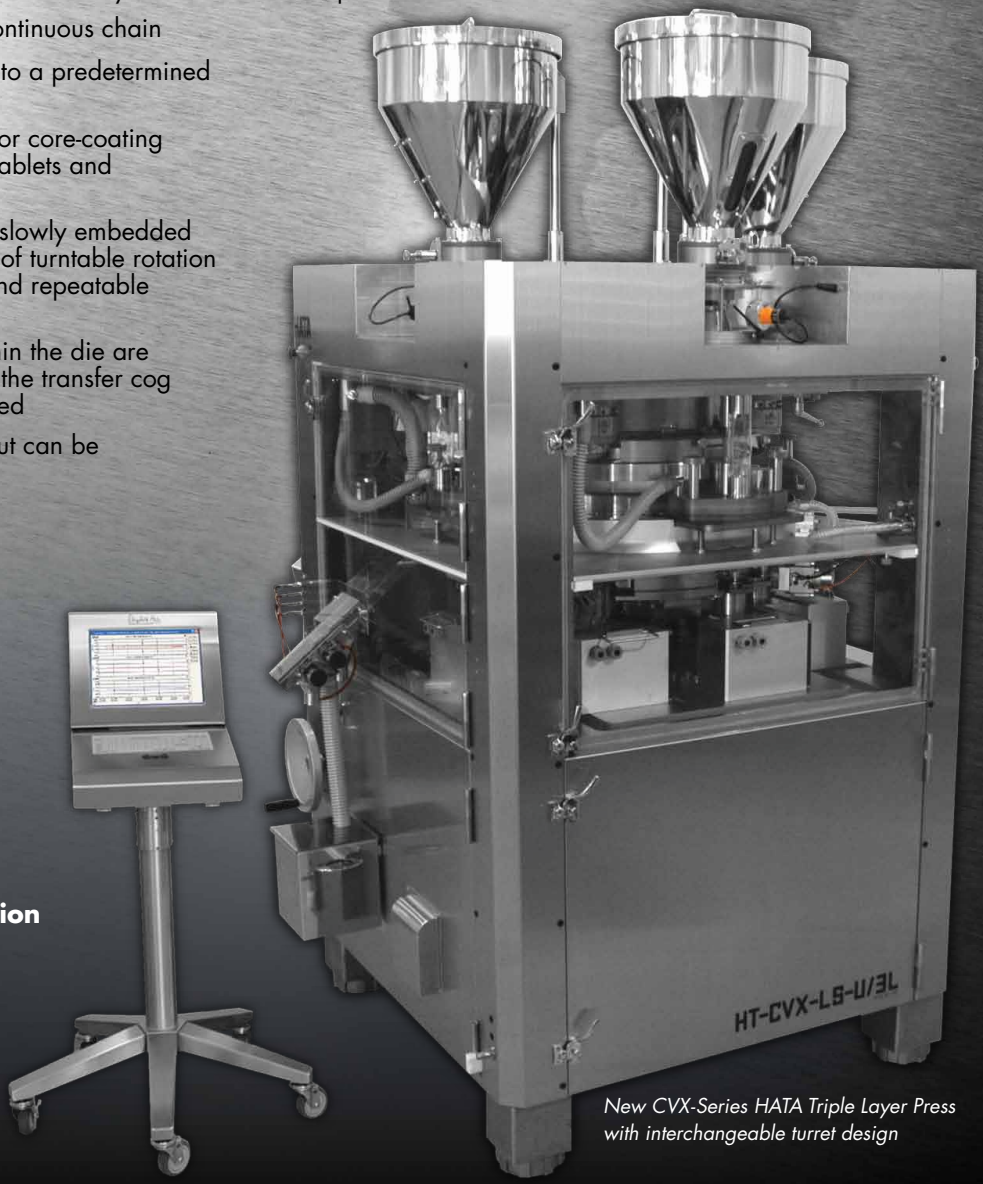
Patented Core Feeding System:

- 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
- Utilizes a continuous chain

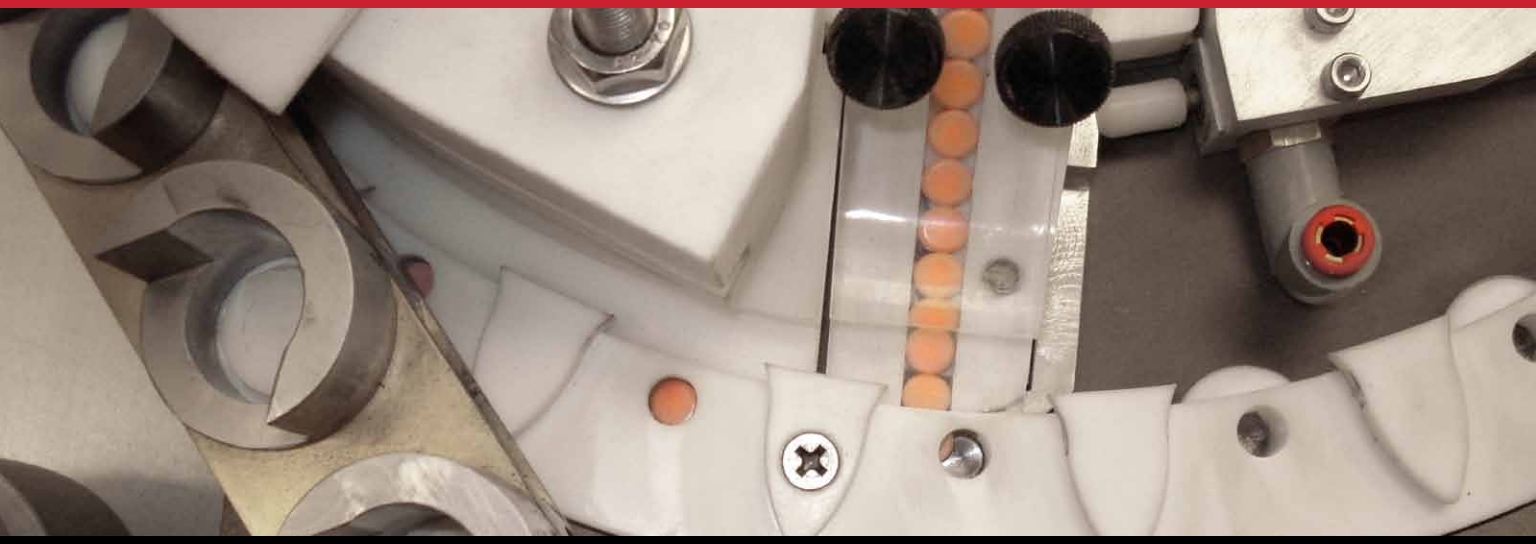
- Allows an item to be inserted into a predetermined location in a specific die
- Applies advanced technology for core-coating and time-release solid dosage tablets and core-component placement
- Cores are held in position and slowly embedded into the tablet over 32-degrees of turntable rotation allowing consistent, accurate and repeatable placement from setup to setup
- The placement/positioning within the die are maintained by the geometry of the transfer cog and once set, cannot be changed
- Cores are normally centered, but can be off-centered if required



Unique Hata Press Feature:
Exclusive Multi-Layer
Core-Coated Tablet Application

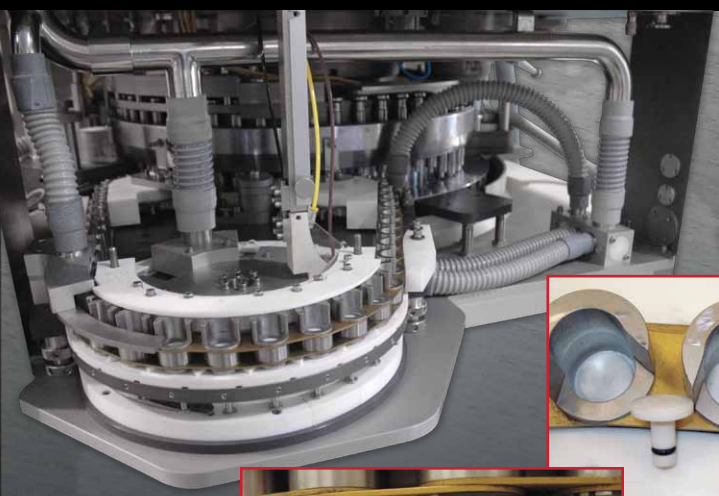


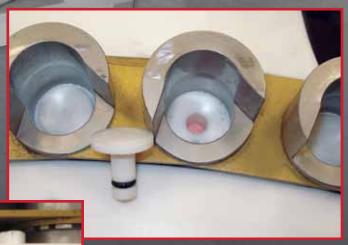
New CVX-Series HATA Triple Layer Press with interchangeable turret design

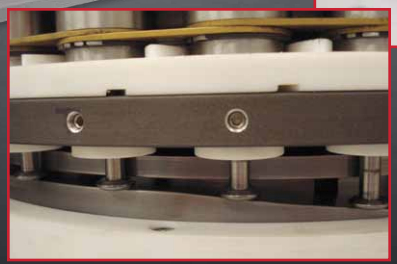


Patented Core Feeder Process:

- Core Tablets are fed from a Vibratory Bowl on to a Tablet Slide
- Guides the tablets into a Feed Rod
- Guides the tablets into the Tablet Insert Chute
- Positions tablets on the Bowl Top
- Uses centrifugal force to help hold the core in position
- Feeds the cores to the inside of the In-feed Wheel instead of the outside
- Cores damaged by the feeding system are almost nonexistent
- Elimination of core insertion timing issues







Continuous Chain Belt Assemblies:

- Rotates along the base by the Chain Belt Assembly
- Chain Belt is driven by the Upper Punches mounted in the Press Turntable
- Rotation causes Push Pin to contact Insertion Cam
- Cam lifts Pin and tablet through Center Core Holder
- Remains centered over Die on Press Die Table
- Upper Punch Contacts Tamp Cam
- Driven Down on to the Core Push Pin
- Forces Tablet into the Die on Press Turntable

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