

BOXmaker

VARENNE



Specification

- > **CAPACITY:** up to 1200 boxes per hour (FEFCO 200)
- > **INSTALLED POWER:** 6.1Kw
- > **MACHINE DIMMENSIONS:** 3400mm x 2300mm x 1700mm
- > **CARDBOARD TYPE:** three and five layer, up to 10mm and 1000GSM
- > **MAXIMUM BOARD SIZE:** 2400mm x 7000mm
- > **MINIMUM BOARD SIZE:** 200mm x 630mm
- > **LENGTH OF SLOTTING KNIVES:** 2x 500mm (in 100mm segments)
- > **WIDTH OF SLOT:** 8mm
- > **MACHINE WEIGHT:** approximately 2600kg



Automation is the core strength of this model. With automated adjustment of slotting knives, guide rails, and creasing wheels and circular knives — setup time between box styles is reduced to just 30 seconds. The machine is capable of producing over 110 FEFCO codes in a single pass.

Die-cut module

A

It is a moveable die-cut press and the shape can be changed. Standard Dimension of tool is 150 x 100 mm. Two units can be installed on demand.

Slotting Knives

B

Constructed from high-density steel alloy, these components ensure heavy-duty reliability and longevity, even when processing high-grade, 1000gsm cardboard. The machine features two 500mm slotting knives (comprised of 100mm segments), precision-positioned via a servo-driven threaded spindle. The transversal alloy creasing tool is integrated directly into the knife subframe for streamlined operation.

Circular Blades and Creasing Wheels with Integrated Scalpels

C

The machine features two high-precision units, each holding 2 tool-free interchangeable heads, enabling seamless transitions between circular blades and creasing wheels. With four tool extensions, the system can be configured for any combination of longitudinal cutting and creasing. Both units support selective operation, engaging at any point on the sheet for complex designs such as FEFCO 0204, 0403, and pallet boxes. The module also supports perforation knives, while the integrated scalpel tool ensures a clean finish for glue flaps.



Cross-cutting module

1

The Smart Servo Cross-cutting tool maximizes material yield by producing multiple boxes from a single sheet. Its high-speed plunge-cut capability allows the blade to engage at any point with pinpoint precision. This enables efficient cutting of internal windows and pallet box loading flaps.

Flexo Printing module

2

The printing unit delivers single-color markings (up to 150mm x 470mm), ideal for transport box labeling. It allows for repetitive imprinting on all four sides or precise placement anywhere on the board, including creased surfaces. For larger requirements, a 300mm x 470mm unit is available. The system supports a 4.35mm cliché thickness, with the option to install two units for dual-side or expanded printing.

Gluing module

3

Designed for single-pass efficiency, the servo-powered cold gluing system completes the production cycle at speeds up to 1m/s. The unit features an external tank and an internal injector, offering high flexibility with fine-tuned application. The water-based glue can be applied in either lines or dots, ensuring precision and adaptability for various box designs.

Control unit

4

The machine is managed via a 15-inch HD touchscreen with an intuitive UI. It features a pre-programmed library of FEFCO standards, while "Free Mode" allows for custom box designs. The internal memory stores up to 250 models, expandable to 3,000 units on request.



Technical characteristics:

- › **CAPACITY:** up to 1200 boxes per hour (FEFCO 200)
- › **INSTALLED POWER:** 6.1Kw
- › **MACHINE DIMENSIONS:** 3400mm x 2300mm x 1700mm
- › **CARDBOARD TYPE:** single, double, and triple wall up to 10mm and 1000GSM
- › **MAXIMUM BOARD SIZE:** 2400mm x 7000mm
- › **MINIMUM BOARD SIZE:** 200mm x 630mm
- › **DISTANCE BETWEEN SLOTTING KNIVES:** 50mm – 2200mm
- › **LENGTH OF SLOTTING KNIVES:** 2x 500mm (in 100mm segments)
- › **WIDTH OF SLOT:** 8mm
- › **MACHINE WEIGHT:** approximately 2600kg

110+ FEFCO CODES using FREE MODE:

- › **SERIES 0100:**
100, 110, 111, 112, 113, 119, 121, 122, 123, 129, 130
- › **SERIES 0200:**
200, 201, 202, 203, 204, 205, 206, 208, 209, 214, 225, 228, 230, 231
- › **SERIES 0300:**
300, 301, 302, 306, 310, 312, 313, 319, 320, 331
- › **SERIES 0400:**
400, 401, 402, 403, 404, 405, 407, 409, 410, 411, 440, 441, 452, 453, 454, 455, 458, 480
- › **SERIES 0500:**
501, 502, 503, 504, 505, 507, 509, 510, 511, 512
- › **SERIES 0600:**
610, 615, 616, 620, 621
- › **SERIES 0900:**
900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 920, 921, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952*, 953*, 967, 970, 971, 972, 973, 974, 975, 976

Additional tools:



Creasing Wheels 1

Standard tool for longitudinal creasing. Adding a second set enables the machine to produce boxes with four creasing lines in a single pass. Ideal for producing 0201 (RSC) shipping boxes, folder-type boxes (0400 series), and complex multi-part displays.

Circular Blades 2

Standard tool for longitudinal cutting. Equipping a second set enables the machine to perform simultaneous formatting and trimming of corrugated boards, significantly increasing production efficiency. Perfect for size reduction of stock sheets, creating custom box dividers, or producing clean-edged 0200 half-slotted containers.

Perforation Knives Set 3

Specialized blades for adding easy-tear or fold-assisting perforations. This versatile set includes two tools for longitudinal perforation and one interchangeable cross-cutting blade, enabling perforated cuts on both axes for retail-ready packaging. Essential for Shelf-Ready Packaging (SRP), "tear-off" shipping-to-display boxes, and Easy-Open e-commerce mailers.

Double Creasing Wheels 4

An adjustable tool designed for creating two creasing lines very close together. Solves the challenge of narrow spacing, with lines adjustable from 10mm to 40mm apart. Specifically designed for "folder" boxes (0427), boxes with integrated buffers, and specialized telescopic sleeves. By housing two creasing wheels in a single position, you can save tool slots while maintaining precision.

The future is not predicted, it is created.
Think about tomorrow



Unrivaled Reliability. Guaranteed Performance.



The EMproject89 5-Year Protection Plan

At **EMproject89**, we don't just build machines; we build partnerships. Our industry-leading **5-Year (60 Month) Warranty** for the **BOXmaker** series is a testament to our engineering excellence and our commitment to your production's uptime.

Why Our 5-Year Warranty is a Game-Changer:

Continuous Coverage: A unique annual renewal system that keeps your machine in "factory-new" condition for half a decade.

Zero Labor Costs: For the entire 5-year period, all authorized service labor is completely free of charge.

Priority Technical Support: Access our expert **Call Center 7 days a week** for immediate troubleshooting.

Rapid Response: If a site visit is required, our technicians will be at your facility within **3 business days**.

Exclusive Discounts: Enjoy a **20% discount** on all additional spare parts throughout the warranty duration.