LYNX

modprocess

On-Demand Box
Packaging Solutions

With nearly 40 years of extensive knowledge and experience, we produce cutting edge technology based machines that significantly boost companies' productivity and effectively address their ever changing needs. We are dedicated to developing efficient and sustainable packaging solutions that effectively tackle complex challenges through continuous innovation.

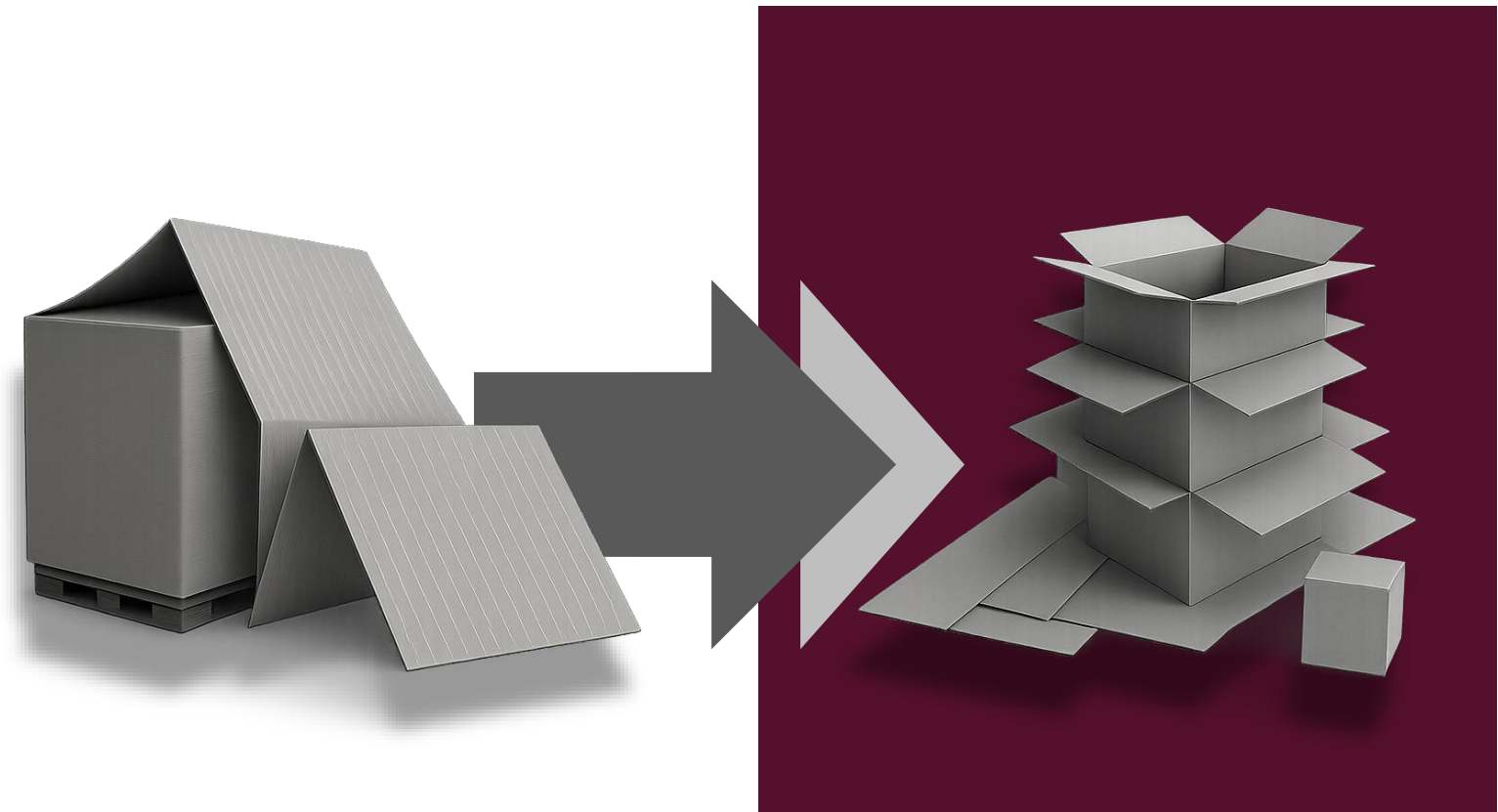
We Always Have a Solution

MODBOX

The Best Choice for Custom-Sized Box Production

With MODBOX machines you will

- make the right size boxes for any order at the time you need them
- need much less storage space by eliminating mass pre-cut box inventory in your warehouse
- use less packaging material as the box is produced specific to the product, with minimum waste
- eliminate the need for massive inventories of packaging materials while simplifying the packing and shipping process
- have little or no need for filling material to fix the product
- reduce the risk of product damage significantly since you'll always have the correctly sized box needed for the specific item you are shipping
- reduce delivery costs by shipping more products in fewer loads,
- minimize your environmental impact by eliminating wasted space and the need for filler materials
- integrate your packaging system into the manufacturing process to reach operational goals, meet quality standards, track products, and ensure shipping accuracy



MODBOX 2200

MODBOX 2200:
Advanced Efficiency in Box Manufactoring

The MODBOX 2200 is an advanced machine capable of producing custom boxes with precise dimensions in seconds. Equipped with highly sophisticated software, this cutting-edge technology is designed to enhance your company's production efficiency, reduce storage space, minimize product damage, and decrease waste. Whether it's optimizing resource utilization or streamlining the packaging process, the MODBOX 2200 offers a wide range of benefits.

Streamlined Packaging for Small and Medium Enterprises. Optimize Your Packaging, Maximize Productivity

Box Making Has Never Been Easier

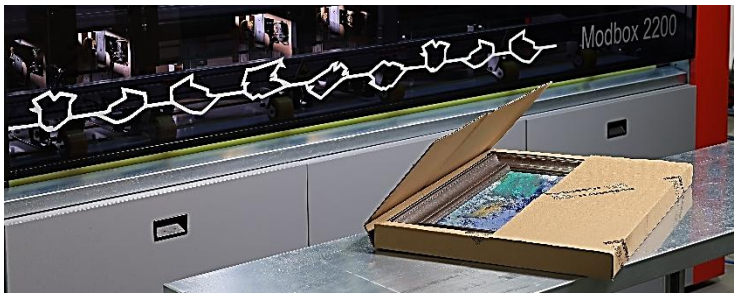
MODBOX 2200 is a highly skilled machine with the capability to produce a wide range of boxes in custom sizes very quickly. The compact size of MODBOX 2200 allows it to fit into the smallest of spaces while maintaning its technical capabilities. Equipped with mono-block aluminum head groups and a unique toothed blade design, it guarantees the production of high-precision boxes. MODBOX 2200 is a plug and play machine that enables firms to start producing boxes in a day after installation.

Technical Specifications

Minimum folding width: 25 mm
Length of cardboard box: min. 380 mm
Width of cardboard box: between 160 – 2200 mm
Fanfold cardboard thickness: 2-8 mm
Sheet cardboard thickness: 2-8 mm
Working width: Up to-2200 mm
Box production capacity: 6-12 boxes/minute

Cutter and Creaser Units

7 groups (up to 16 groups optional)
Cutting blade with special tooth structure ensuring precise cutting and a lifespan of approximately 3 years



Advanced Software

- Intuitive 21.5-inch vertical screen with Windows OS for effortless control
- Extensive library with over 100 customizable box designs
- Flexible input options: Direct touchscreen entry, barcode scanning, or 3D object scanning
- Optimized box orientation for maximum cardboard efficiency and cost savings
- Power data sorting capable of operating with thousands of boxes

MODBOX 3200

MODBOX 3200:
Maximum Working Width for Optimal Side by Side Cardboard Capacity

The MODBOX 3200 offers the largest working width among all MODBOX models, enabling simultaneous loading of two wide cardboard bales side-by-side. These bales can differ in thickness, width, print type, or quality, providing maximum flexibility. This capability allows manufacturers to optimize cardboard usage by selecting the most suitable bale for each production run. Ideal for customers with diverse product lines, the MODBOX 3200 features the same powerful, intuitive software that sets all MODBOX machines apart in operational ease and efficiency.

More Bale Options, Maximum Efficiency, Minimal Waste. Start Box Production the Same Day of Installation

Achieve Flexible Production

Produce boxes side-by-side and significantly reduce material waste. The MODBOX 3200 excels when configured with one wide and one narrow bale, maximizing coverage for diverse box sizes while minimizing cardboard waste.

Customized Box Designs for Specific Products

The Boxmatrix Software empowers producers to effortlessly create unique box geometries tailored to specific items, such as furniture. This advanced feature ensures products are securely packaged without unnecessary empty space, optimizing packaging efficiency and minimizing shipping costs.

Technical Specifications

Minimum folding width: 25 mm
Length of cardboard box: min. 380 mm
Width of cardboard box: between 160 – 3200 mm
Fanfold cardboard thickness: 2-8 mm
Sheet cardboard thickness: 2-8 mm
Working width: Up to-2200 mm
Box production capacity: 6-12 boxes/minute

Cutter and Creaser Units

7 groups (up to 16 groups optional)
Cutting blade with special tooth structure ensuring precise cutting and a lifespan of approximately 3 years

Increase Output with Side-by-Side Fanfolds. Minimize Waste. Design Complex Boxes. Eliminate Costs from Shipping Empty Space by Having Boxes That Follow the Shape of Your Product

MODBOX 3000 P

MODBOX 3000 P: Master of Tailored Box Making

In addition to precision cutting and creasing, the MODBOX 3000 P features an integrated perforation unit specifically engineered for producing boxes used in automated packaging lines. Its wide feeder allows simultaneous handling of two or three different cardboard bales, and the 3050 mm working width supports the creation of large, complex packaging solutions. When paired with automated box-closing machinery, the MODBOX 3000 P becomes an indispensable solution for customized packaging needs. The perforation unit is seamlessly integrated into the intuitive Boxmatrix software, ensuring a smooth, user-friendly experience in designing even the most intricate box geometries.

Perforation Capabilities Combined with All the Advantages of MODBOX 3000 P, Ensuring the Creation of the Most Complex Box Designs

Optimize Resources

Eliminate your box inventory, free up your warehouse space, and never worry about out of stocks or box obsolescence again. MODBOX 3000 P greatly simplifies your packaging supply chain. By using smaller boxes, you can fit more packages per truckload. Reduce the number of shipments needed.

Product-Specific Box Design

With Boxmatrix software, you have the power to craft unique boxes from scratch in mere seconds using the machine's touch screen. You can expand your library with as many customized boxes as you desire.

Technical Specifications

Min folding width: 25 mm
Fanfold corrugated cardboard thickness: 2-8 mm, continuous form or sheet cardboard
Corrugated cardboard width: between 160-3050 mm
Minimum cardboard length: 440 mm
Box production capacity: 6-12 boxes/minute

Cutter and Creaser Units

7 groups with perforation units (optional up to 16)
Cutting blade with special tooth structure ensuring precise cutting and a lifespan of 3 approximately years

The Innovative Aspect of Perforated Cardboard Boxes

- With perforation comes the ability to fold larger boxes with ease
- Furthermore, it allows automated box closing machines, such as MODCLOSE 410 to work faster and thus increase the workflow

MODBOX HDX

MODBOX HDX: Corrugated Box Making Perfected

MODBOX HDX is your ultimate solution for precision box-making, expertly designed to meet diverse packaging requirements. Equipped with our specialized Boxmatrix software, this technologically advanced system ensures highly accurate and customizable box dimensions tailored to both standard and custom specifications. With MODBOX HDX, you will achieve enhanced production efficiency, enabling a streamlined packaging process and increased productivity. Its precision-fit packaging capabilities minimize product damage during transportation, safeguarding your goods effectively. Additionally, optimized box designs reduce material waste, lowering costs.

The Ultimate Box Making Machine: Design Any Box, Any Size and Use Any Cardboard up to 12mm Thickness

Stop Counting Boxes in Storage

Say goodbye to stock tracking for cardboard boxes, free up valuable warehouse space, and eliminate the risk of shortages. MODBOX HDX streamlines your packaging supply chain by reducing transport volume, utilizing smaller boxes, and minimizing shipments.

Use Less Corrugated Cardboard

MODBOX HDX enables you to produce boxes precisely tailored to your product size, reducing corrugated cardboard usage by up to 26%, thereby saving costs and promoting sustainability.

Technical Specifications

Min folding width: 32mm or asymmetric 22-42 mm
Fanfold cardboard thickness: 2- 8 mm
Sheet cardboard thickness: 2- 12 mm
Corrugated cardboard width: between 400-2500 mm
Minimum cardboard length: 400 mm
Box production capacity: 6-12 boxes/minute
Fanfold cardboard single feeding and side by side feeding are standart

Cutter and Creaser Units

7 groups (up to 16 groups optional)
Cutting blade with special tooth structure ensuring precise cutting and a lifespan of approximately 3 years

MODBOX HDX Integrates Seamlessly into Your Workflow through the Expert Guidance of Our Team, Utilizing Mass Data-Mapping, and Optimized Box Grouping

MODBOX HDX-M

MODBOX HDX-M: High-Performance Packaging for Large-Scale Operations

The MODBOX HDX-M is an advanced, high-capacity packaging solution engineered to deliver unparalleled reliability for complex, customized packaging requirements. By precisely selecting the optimal fanfold cardboard dimensions, it significantly reduces material waste while maximizing production efficiency. Trusted by leading global manufacturers, the MODBOX HDX-M represents one of the industry's most sophisticated automated box-making technologies—a true powerhouse designed to streamline and sustain the demanding packaging operations of large-scale producers.

Cutting-Edge Box-Making Technology with Industry-Leading Cardboard Optimization and Unmatched Computational Performance

Automated Cardboard Selection and Feeding

The integrated third axis (Z-Axis) of the MODBOX HDX-M allows simultaneous loading of up to six cardboard bales with varying widths, automatically selecting the optimal bale size to minimize waste for each specific box. When combined with specialized features designed for integrated packaging production lines, the Z-Axis positions the MODBOX HDX-M as one of the most advanced and efficient packaging solutions available on the market.

Advanced Safety

The MODBOX HDX-M is a three-axis machine featuring dynamic moving components designed with operator safety and factory compliance in mind. Safety measures are not limited to mechanical protections; they are also embedded directly into the machine's software through customized scripts, ensuring comprehensive operational safety standards are consistently maintained.

Technical Specifications

Min folding width: 32 mm or asymmetric 22-42 mm
Fanfold cardboard thickness: 2-8 mm
Corrugated cardboard width: 800-2500 mm
Bale height: 1600 mm
Box production capacity: 6-12 boxes/minute
Number of feeder and bale stations: 4 or 6
Magazine lift movement driven by servo system
The lift is made of aluminum alloy and mounted directly on the machine
The cardboard is secured by monorail pressure bars actuated by pneumatic pistons
An integrated pulley system enables operators to easily feed new cardboard from the rear
No pull limitations related to cardboard weight; all magazine units have been stress-tested with the widest and thickest possible cardboard
The cardboard feeding system is built for durability and reliability
The specialized feeding surface material ensures smooth and effortless sliding of cardboard

Cutter and Creaser Units

7 groups (up to 16 groups optional)
Cutting blade with special tooth structure ensuring precise cutting and a lifespan of approximately 3 years

A High-Capacity Packaging Powerhouse Engineered for Continuous Operation The Ideal Solution for Large-Scale Producers with Diverse Product Lines. Fully Optimized for the Most Powerful Operation

MODCLOSE 410

MODCLOSE 410:
Ideal Solution for Disassembled Packaging

Designed to optimize packaging processes and maximize productivity, the MODCLOSE 410 automatic box-closing machine represents a significant advancement in reliability and efficiency. This innovative system automates carton sealing operations within industrial production settings, providing rapid, secure adhesion and consistently dependable packaging results. The MODCLOSE 410 is particularly effective for manufacturers shipping disassembled products, thanks to its capability to seal very thin cartons, thereby reducing shipping volumes and lowering transportation costs. When integrated with the MODBOX HDX, the MODCLOSE 410 further enhances overall packaging output and efficiency.

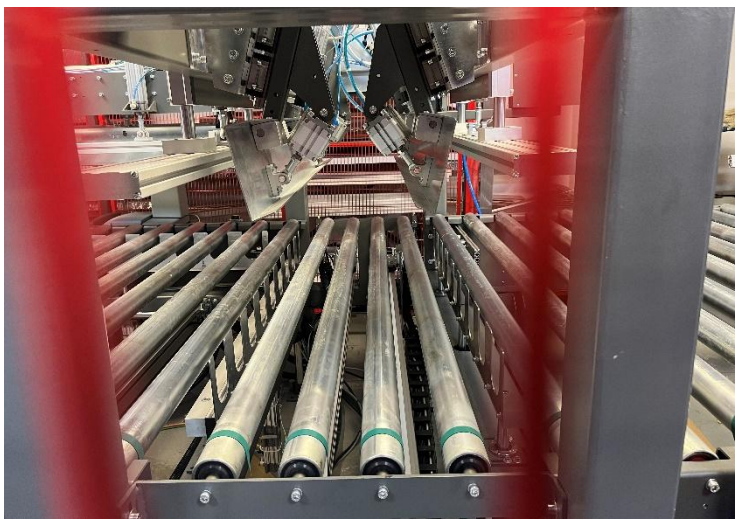
Engineered to Eliminate Packaging Bottlenecks. Stay Ahead of Schedule and Boost Your Production Efficiency

Advanced Gluing and Closing System for Fefco 410-Style Boxes

The MODCLOSE 410 automatic carton-closing system is engineered to optimize packaging processes and significantly enhance productivity. It represents a breakthrough in reliability and efficiency by fully automating carton sealing in industrial production environments, delivering rapid, secure adhesion.

Seal Boxes as Small as 25mm Tall

MODCLOSE 410's capability to seal boxes as small as 25 mm high allows versatile packaging for a wide variety of products. Moreover, the machine automatically adjusts to accommodate varying box dimensions, ensuring uninterrupted workflow and continuous production efficiency.



Technical Specifications

Conveyor system for manual box preparation and panel loading
Automatic box-closing unit with size adjustment
Optional label-sticking unit
Integrated output conveyor
Up to 8 boxes per minute (dependent on box dimensions)

Box Specifications

Box Type: FEFCO 410
Cardboard Thickness: 3 - 8 mm
Package Width (Min–Max): 250 - 1200 mm
Package Length (Min–Max): 400 - 2400 mm
Package Height (Min–Max): 35 - 250 mm (optional capability down to 25 mm available)
Minimum Folding Width: 250 mm
Corrugated Cardboard Thickness: 2 - 8 mm

Cutting-Edge Box Closing Technology: The MODCLOSE 410 Features Exclusive MODPROCESS Engineering and Innovation, Delivering Unparalleled Adhesion Quality and Reliability

MODGLUE 201

MODGLUE 201:
Box Gluing at Breakthrough Pace

The MODGLUE 201 utilizes advanced hot melt adhesive technology to significantly accelerate the box-gluing process, reducing production time by up to three times. Specifically designed to efficiently glue the internal flap of FEFCO 201-style boxes (Regular Slotted Containers), MODGLUE 201 streamlines one of the most time-consuming steps in standard box assembly. Ideal for manufacturers handling diverse and high-volume packaging requirements, the MODGLUE 201 effectively eliminates the bottleneck associated with internal flap adhesion, dramatically enhancing overall operational efficiency.

Maximize Quality and Efficiency with Automated Box Gluing. Exceptional Reliability and High-Speed Performance for Your Packaging Line

Bi-Directional Integration for Seamless Workflow

MODGLUE 201 offers versatile operational configurations, seamlessly integrating into workflows managed by either one or two operators. Its advanced integration capability ensures optimal performance in diverse production environments, accommodating the specific requirements of both SMEs and large-scale manufacturers.

Rapid Adhesion for Continuous Productivity

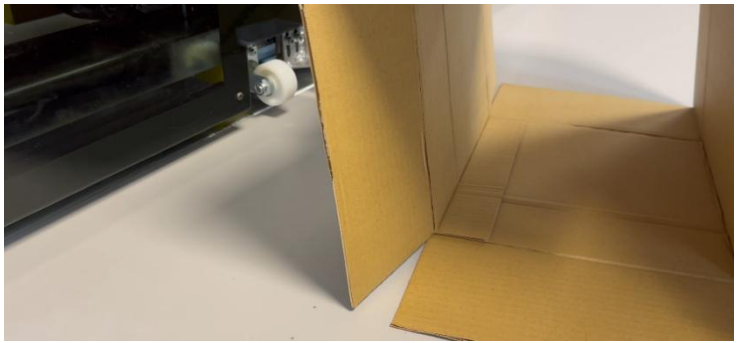
MODGLUE 201 securely bonds and completely seals box flaps in seconds, achieving full adhesive strength before the box exits the machine.

Technical Specifications

Corrugated Cardboard Thickness: 2 - 8 mm
Box Width: 240 - 1250 mm
Box Length: 180 - 940 mm
Box Height: 140 mm - unlimited
Production Capacity: 5 - 12 boxes per minute (dependent on box dimensions)

Hot-Melt Glue Consumption

2.5 g/m with 0.35 mm nozzle
3.4 g/m with 0.40 mm injector nozzle



Game-Changer for Every Producer: Accelerate Box Production with MODBOX Machines. Streamline Your Workflow, Reduce Downtime, and Pack Boxes in Seconds with Unmatched Efficiency

FILE 400

FILE 400:
Operate Waste Free

The FILE 400 converts waste strips from MODBOX machines or used cardboard boxes into high-quality mesh material, ideal for use as cushioning filler or protective wrapping during packaging. By repurposing otherwise discarded cardboard, FILE 400 ensures maximum material efficiency and significantly reduces waste, creating a fully sustainable and cost-effective production line. Essential for environmentally conscious companies, FILE 400 provides a practical, eco-friendly alternative to costly packaging materials like expanding foam. Harness the full potential of your cardboard waste—enhance sustainability and reduce operational costs by integrating FILE 400 into your packaging workflow.

Maximize Efficiency, Minimize Waste! Transform Scrap into High-Quality Protective Packaging with FILE 400. A Smart, ECO-Friendly Solution

Reuse Waste Cardboard

With its bi-directional operation, powerful motor, and single-phase power supply, this compact machine is designed for versatility in various operational environments. It enables efficient repurposing of waste cardboard into perforated nets, providing a sustainable and cost-effective protective packaging solution for glass, ceramics, furniture, spare parts, and other fragile items. By utilizing this system, businesses can optimize storage space while enhancing their packaging efficiency.

Special Blade Design

The FILE 400 features a specially engineered blade design that enables the cutting of tape and staples if they are accidentally fed along with used boxes, ensuring uninterrupted operation.

Technical Specifications

Working width: 400 mm (Wider pieces are cut and then can be re-fed)
Cardboard processing thickness: up to 8 mm
Motor power: 0.75 Kw-single phase
Operating direction: forward and back (Bi-directional)
Blades: special mesh perforation blades

More Protection for Less Money

Compared to expandable foam fillers, the mesh produced by FILE 400 is both stronger and more cost-effective. Expandable foams are prone to cracking and breaking under pressure, and if the external bag bursts, it can potentially damage the product. In contrast, FILE 400's mesh offers superior durability, withstands greater force, and eliminates the risk of product damage.

Protect Your Products with Re-Cycled Materials. Lower Product Damage and Minimize Returns. FILE 400 Is a Perfect Companion to MODBOX Machines Ensuring You Use All Your Cardboard

boxmatrix®

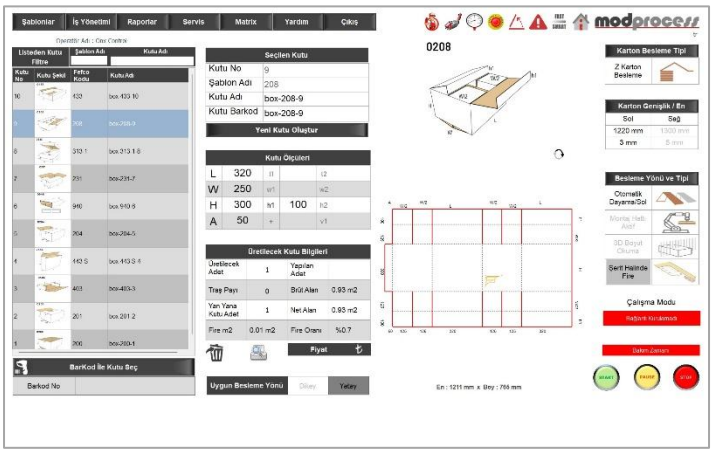
Specialized Box Software Developed by MODPROCESS

Features

- Real-time machine performance reporting for complete operational transparency
- Remote monitoring of production and performance via mobile applications
- Built-in Industry 4.0 infrastructure for smart manufacturing
- Advanced planning and cost calculation for optimized efficiency
- Unlimited box registration and seamless operation without limitations
- Automated daily work list creation for streamlined production
- Integrated workflows for continuous, on-demand box production
- Horizontal and vertical cutting options to minimize waste and maximize material utilization
- Print in-box identification directly onto boxes using inkjet or labels for seamless tracking.
- Accurately capture 3D dimensions of packaging materials with a scanner, camera, or barcode reader.
- Effortlessly transfer box size and type data to other Modprocess machines for a fully integrated workflow.
- Simultaneously produce two different box types of your choice on a single feeding cardboard for maximum efficiency.
- Manufacture up to four different box sizes at once with the advanced matrix 4-fold layout.

Software Designed for Ease of Use

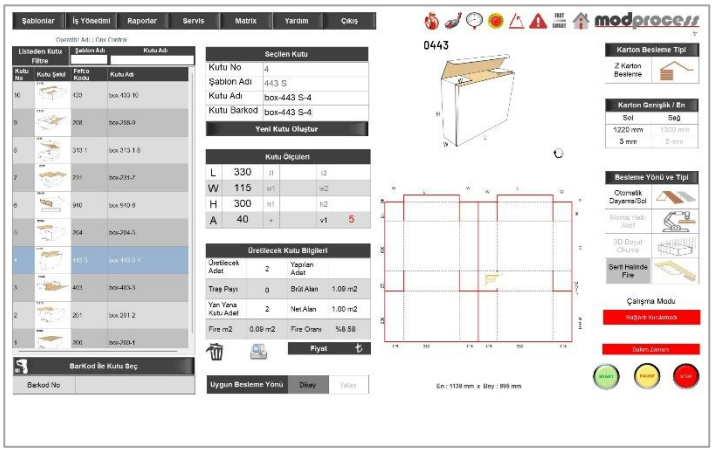
- Ready-to-use UI with seven languages and expandable infrastructure for more
- Intuitive box geometry display for effortless design visualization
- Extensive library of pre-designed boxes with unlimited customization potential
- 12 adaptable size inputs for maximum flexibility
- User-friendly menu for seamless control of all machine functions
- Advanced connectivity with peripheral units via EterCAT and WiFi

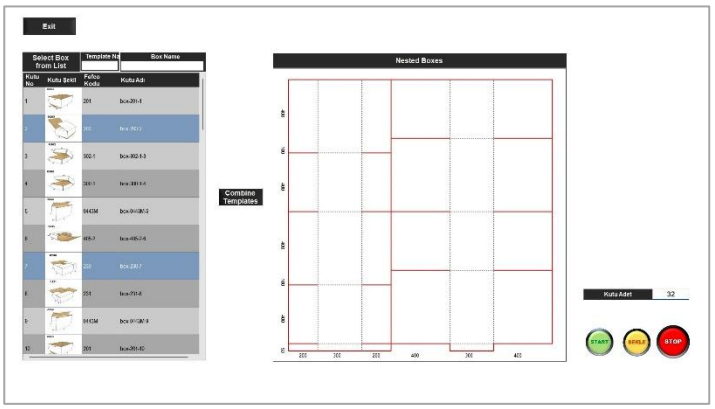


boxmatrix

Flexible and High Capacity

- Maximize efficiency by producing boxes side by side, reducing waste, and optimizing material usage
- Smart box rotation ensures better utilization of fed cardboard for minimal material loss
- Seamless integration with an automated barcode system for a fully connected packaging line
- Automatic label printing for streamlined identification and logistics
- Flexible operation modes, allowing selection between robotic or in-line automation directly from the screen
- Sustainable production with a continuous strip option that recycles waste cardboard for reuse in box-making





Work Without Waste

- Maximize material usage with 2N1 cutting, allowing two different box types and sizes to be cut simultaneously across the full width of the cardboard
- Enhance efficiency with Matrix Cut, enabling the production of four different box sizes and types at once from a single bale
- Optimize cost calculations by inputting the price per m² to instantly determine the gross and net price of each box
- Reduce waste and improve efficiency with intelligent bale selection in MODBOX 2500, MODBOX 3200, and MODBOX 3000 P, automatically choosing the most optimal bale while feeding multiple bales

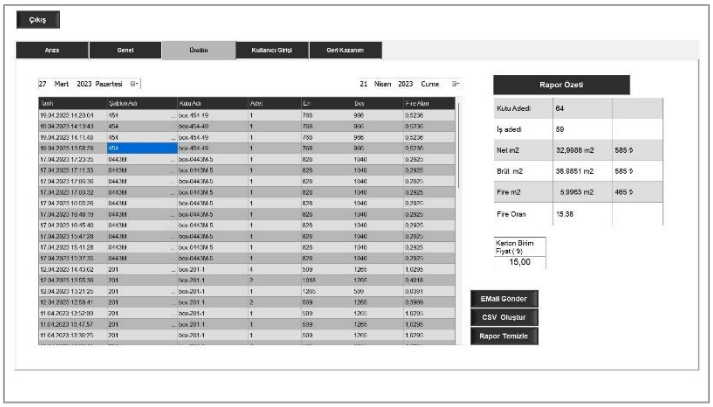
Software And Magazine Combination

- The synergy of Boxmatrix software and MODBOX HDX-M delivers one of the most powerful solutions in the packaging industry, effortlessly optimizing even the most complex tasks for maximum efficiency

Boxmatrix Utilizes Advanced Data Algorithms, Enabling Producers to Manage Thousands of Different Boxes Simultaneously with Exceptional Speed and Efficiency

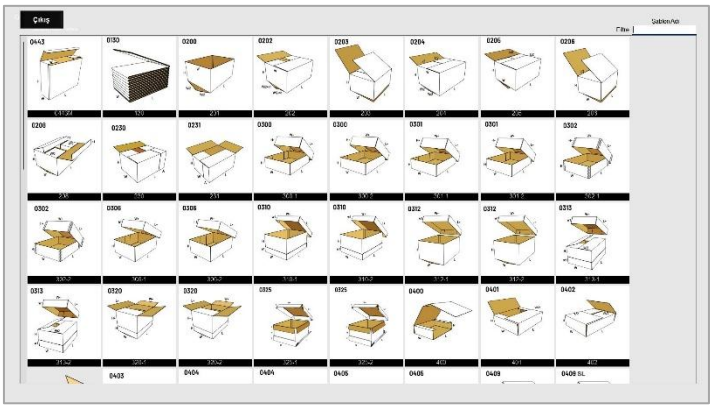
Reporting

- Comprehensive performance reports for real-time machine monitoring
- User-specific account tracking to monitor individual operator activity
- Automated production reports generated daily, monthly, and yearly for detailed analysis
- Advanced cost calculation, providing net and gross price per box to help producers gain a competitive market advantage
- Export reports, with all reports sent via email in Excel format for easy access and analysis.
- Utilize exported production and cost reports to track accounting data and make data driven decisions



Design Your Own Box

- Access a database of over 100 ready-to-use pre-made box designs
- Utilize an integrated box geometry design system to create new box styles
- Incorporate up to 12 customizable variables into new box designs to achieve complex structures for specialized needs
- Graphical decision-making tools for precise cutting, folding mark, (and optional perforation) locations
- Save unlimited box dimensions with custom names in the master box database



If You Can Dream It We Can Build It!

Our Service Hotline Details:

- Availability: Monday – Friday, 09:00 – 18:00 (CET)
- Inspection and Preventive Maintenance
- Spare Parts Shipment: Within 24 hours
- On-site Technical Support: Scheduled within 48 hours (excluding travel time)
- Operator Training: Available upon request
- Remote Software Support: Diagnostics and assistance
- Remote Mechanical Diagnostics: In collaboration with factory maintenance teams

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*Modprocess can make changes in technical specifications, colors, options, and models without prior notice. Pictures are for illustrative purposes and may differ from the real.