

**International**

**International + MSC**

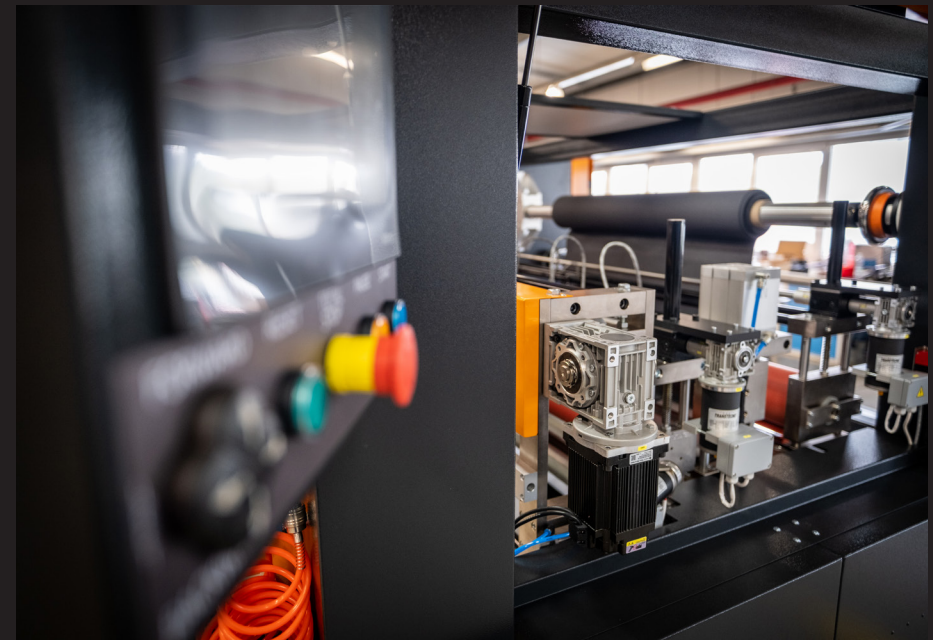
## Who are we?

International CZ is a premier Czech engineering company specializing in the manufacturing of machinery for foam and rubber processing, double-sided tapes, and footwear production. Leveraging our state-of-the-art CNC machines, we proudly produce 90% of our machine parts in-house, ensuring unparalleled quality and efficiency in our production processes.

Our company also excels in the trade and service representation of esteemed Italian manufacturers ATOM, CHIESA, and Guidolin Girotto. Through these partnerships, we provide top-tier products and services to meet the diverse needs of our clients.

In addition to our Italian partnerships, we have forged strong alliances with renowned companies in Germany and the USA. These collaborations enable us to integrate their expertise and technological advancements, further enhancing our capabilities and expanding our reach in the global market.

At International CZ, we take pride in our Czech heritage and our unwavering commitment to innovation, precision, and customer satisfaction. Our dedication to excellence ensures that we continue to deliver superior solutions to our clients worldwide.







# Metalwork

At the heart of our machining workshop lies a commitment to excellence, supported by four foundational pillars that enable us to deliver premier services in prototype, small-batch, and serial production.

## ✔ State-of-the-Art Machinery

Our investment in cutting-edge machining equipment from industry leaders such as Makino, Mazak, and DMG Mori ensures precision, efficiency, and reliability in every project.

## ✔ Advanced Supporting Technologies

We leverage the latest in supporting technologies, including Autodesk CAD/CAM solutions, 3D coordinate measurement, and high-quality tools from renowned brands like Sandvik, Ceratizit, Iscar, and Walter. This investment enhances our capabilities and ensures superior outcomes.

## ✔ Personalized Approach

Every order receives our undivided attention and a tailored approach, guaranteeing that we meet the highest standards of quality and adhere to delivery deadlines. Our commitment to quality is unwavering.

## ✔ Expertise and Passion

Our most valuable asset is our team of highly skilled employees who are passionate about their work. Supported by top-notch technological infrastructure and over 20 years of industry know-how, their expertise is the cornerstone of our success.

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**Through these four pillars, we are dedicated to providing exceptional machining services, ensuring that every project meets the highest standards of excellence.**





## Lamination

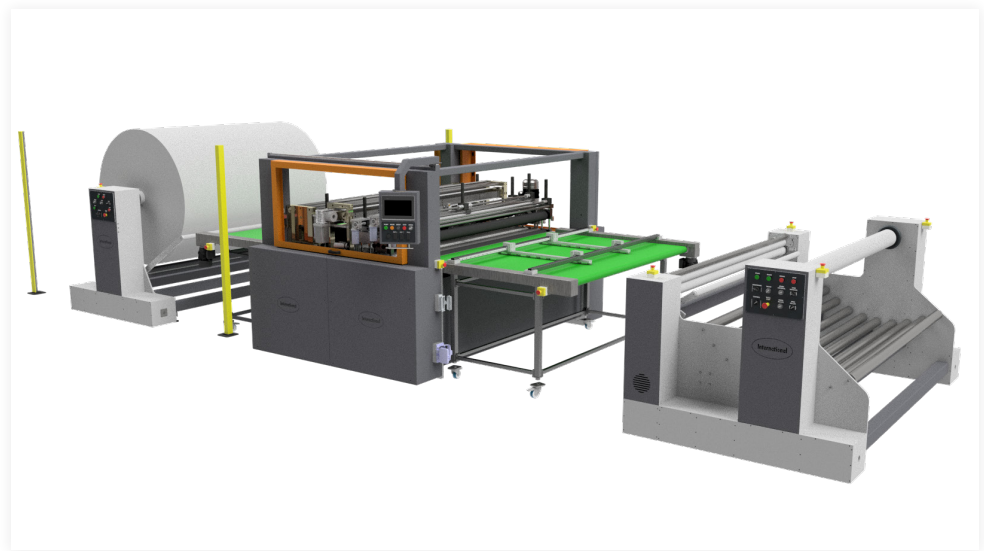
Our lamination machines can laminate materials using heat-activated or cold-processed adhesives up to a thickness of 100 mm. Materials can be processed in roll-to-roll, roll-to-sheet, or sheet-to-sheet formats. The machines are also equipped with features for longitudinal cutting and rewinding during the lamination process. All machine types are equipped with longitudinal knives to precisely align the product edges.

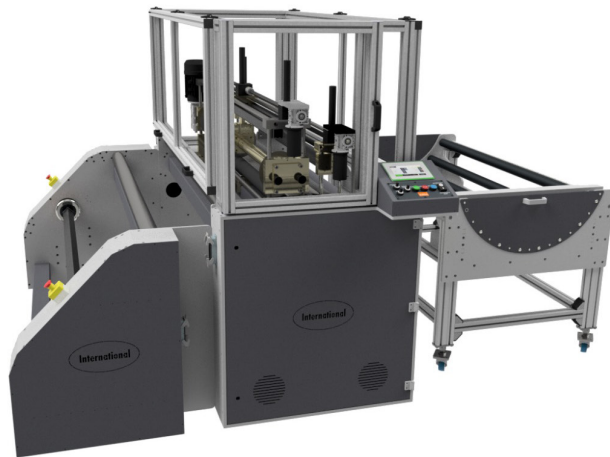
Lamination machines are available in widths of **1300 mm**, **1600 mm**, and **2300 mm**.

## Formatting

Our formatting machines are designed for precise and quick cutting of materials into the desired formats. With the ability to set various widths and lengths, we ensure maximum flexibility and accuracy. The machines are ideal for producing various types of packaging and printed materials, where precise formatting is crucial.

Formatting machines are available in widths of **1300 mm**, **1600 mm**, and **2100 mm**.





## Longitudinal Cutting

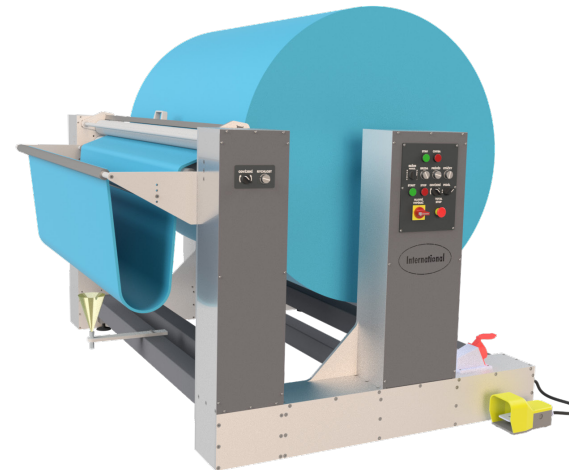
Our longitudinal cutting machines are designed for efficiently dividing materials into the desired widths. They are equipped with high-quality knives that ensure clean and precise cuts. Our technology enables fast and efficient processing of a wide range of materials, from paper and plastic to metal foils.

Longitudinal cutting machines are available in widths of **1300 mm**, **1600 mm**, and **2300 mm**.

## Un-Rewinding

Un-rewinding machines are a key part of our product lines. These machines allow for precise and controlled un-rewinding of materials from large rolls and their subsequent rewinding after processing. With advanced tension and speed control functions, we ensure that the material is always properly tensioned and undamaged.

Un-rewinding machines are available in widths of **1300 mm**, **1600 mm**, and **2300 mm**.



# Laminating Machines



## ICZ 4H

- Suited for lamination using heat-activated or cold adhesive materials up to 100 mm of thickness.
- Prioritizing operator safety, ICZ 4H machines excel in laminating, rewinding, and cutting tasks, featuring a foot switch for seamless operation.
- Engineered with a modular design, ICZ 4H machines offer customization options for optimal performance in diverse production environments.



## ICZ 5H

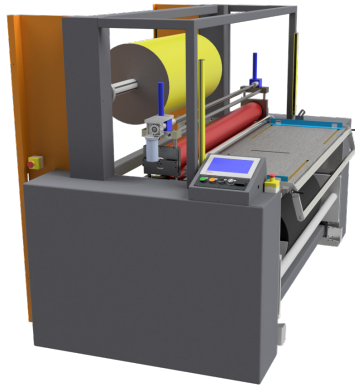
- Designed for lamination using heat-activated or cold adhesive materials up to 100 mm of thickness
- Our ICZ 5H machines offer versatile operations for laminating, rewinding, and cutting materials, with options for individual or combined processes.
- Equipped with a foot switch for user convenience and ensuring operator safety with comprehensive coverage of hazardous parts.
- Crafted with a modular structure, the ICZ 5H machines can be tailored to meet specific customer requirements.





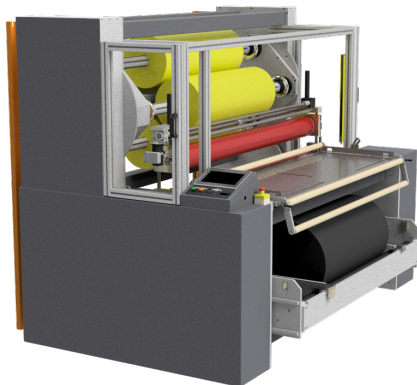
## ICZ PK

- ICZ PK machines offers versatile operations for laminating.
- Prepare the material for another process.
- Machines ensure reliable performance with minimal complexity.



## ICZ EASY

- ICZ EASY machines are designed for efficiency and ease of use.
- With a focus on operator comfort and safety.
- Designed just for lamination.
- Machines ensure reliable performance with minimal complexity.



## ICZ EASY R

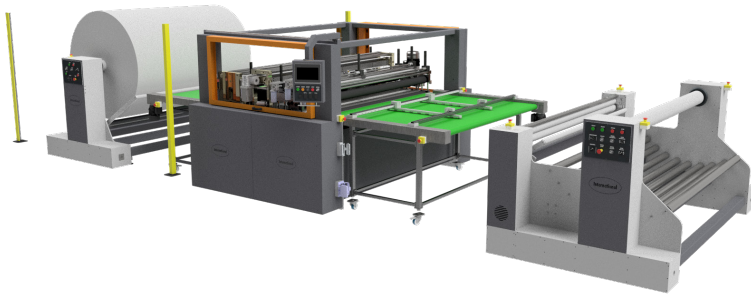
- ICZ EASY R machines are designed for efficiency and ease of use.
- Revolver unwinder enables seamless material changeovers throughout the processing workflow.
- Designed just for lamination.
- Machines ensure reliable performance with minimal complexity.

# Formatting



## ICZ SH

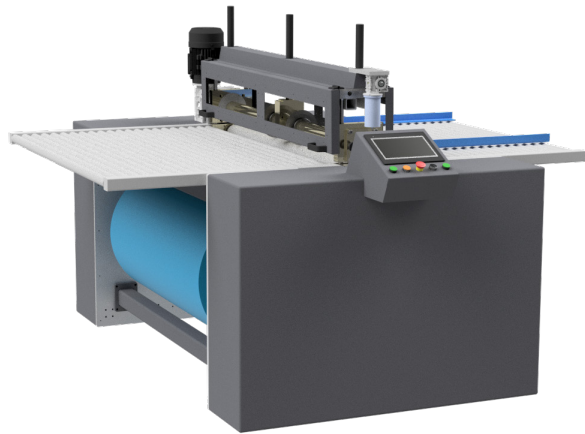
- Designed for formatting materials into predefined rectangular formats with widths of 1300, 1600, and 2100 mm.
- Features input and output conveyors for seamless material processing.
- Offers versatile operations with guillotine and longitudinal cutting capabilities
- Equipped with a foot switch for user convenience and prioritizes operator safety with comprehensive coverage of hazardous parts.
- Modular structure allows for customization to meet specific customer requirements.



## ICZ CC SH

- Ideal for formatting all materials into predefined rectangular formats with widths of 1300, 1600, and 2100 mm.
- Offers versatile operations with guillotine, cross-cut, and longitudinal cutting capabilities.
- Includes input and output conveyors for efficient material handling.
- Designed with operator safety in mind, featuring a foot switch and covered hazardous parts during operation.
- Modular structure allows for customization to meet specific customer requirements.

# Longitudinal cutting



## ICZ 2H LC

- Specifically designed for cutting materials using round blades with rewinding functionality.
- Includes internal unwinder and rewinder for efficient material handling.
- Equipped with a foot switch for ease of operation and ensures operator safety with comprehensive coverage of hazardous parts.
- Designed with a focus on operator comfort and minimal complexity for reliable performance.



## ICZ 2H LCP

- Designed for cutting materials using pneumatic knives with rewinding capabilities.
- Equipped with internal unwinder and rewinder for streamlined material processing.
- Features a foot switch for user convenience and ensures operator safety with covered hazardous parts.
- Modular design allows for customization to meet specific customer needs.

# Un-rewinding machines



## ICZ UNW E

The machine is equipped with:

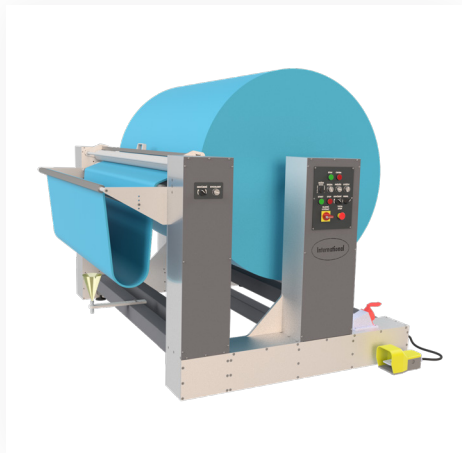
- **Dancer:** A sensor for monitoring material sag, controlling the drive shaft based on its data. Winding with sag allows for reduced stretching during material uptake.



## ICZ UNW SC

The machine is equipped with:

- **Dancer:** A sensor for monitoring material sag, facilitating reduced stretching during material uptake.
- **Puller:** Assists the drive during winding and creates tension between subsequent machines and the unwinder.
- **Side Control:** A device for aligning winding; it adjusts the position slightly if the material is unwound off-center.



## ICZ UNW S

The machine is equipped with:

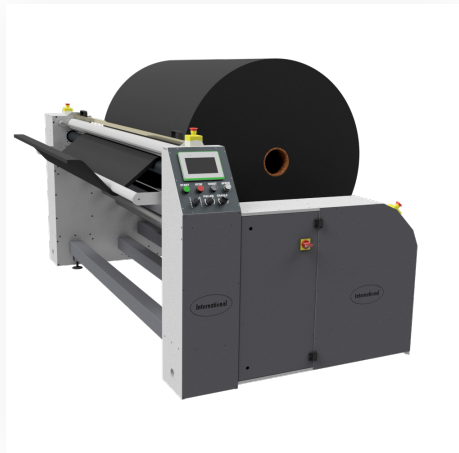
- **Puller:** Assists the drive during winding and creates tension between subsequent machines and the unwinder.
- **Sensor:** Monitors material sag, adjusting winding speed accordingly.



## ICZ UNW R

The machine is equipped with:

- **Dancer:** A sensor for monitoring material sag, optimizing drive shaft control for reduced stretching during material uptake.
- **Puller:** Assists the drive during winding and creates tension between subsequent machines and the unwinder.



## ICZ UNW CR1

The machine is equipped with:

- **Dancer:** For sag monitoring and optimized drive puller, ensuring reduced material stretching during uptake.
- **Puller:** Assists the drive during winding.
- **Side Control:** Ensures precise winding alignment, adjusting position if material is unwound off-center.



## ICZ UNW ARM

The machine is equipped with:

- **Loader:** A device for enhanced material handling, automatically raised by the machine for improved efficiency.
- **Puller:** Assists the drive during winding.



## ICZ UNW CR2

The machine is equipped with:

- **Dancer:** For sag monitoring and optimized drive shaft control, minimizing material stretching during uptake.
- **Puller:** Assists the drive during winding.
- **Side Control:** For accurate winding alignment, making slight adjustments if material is unwound off-center.



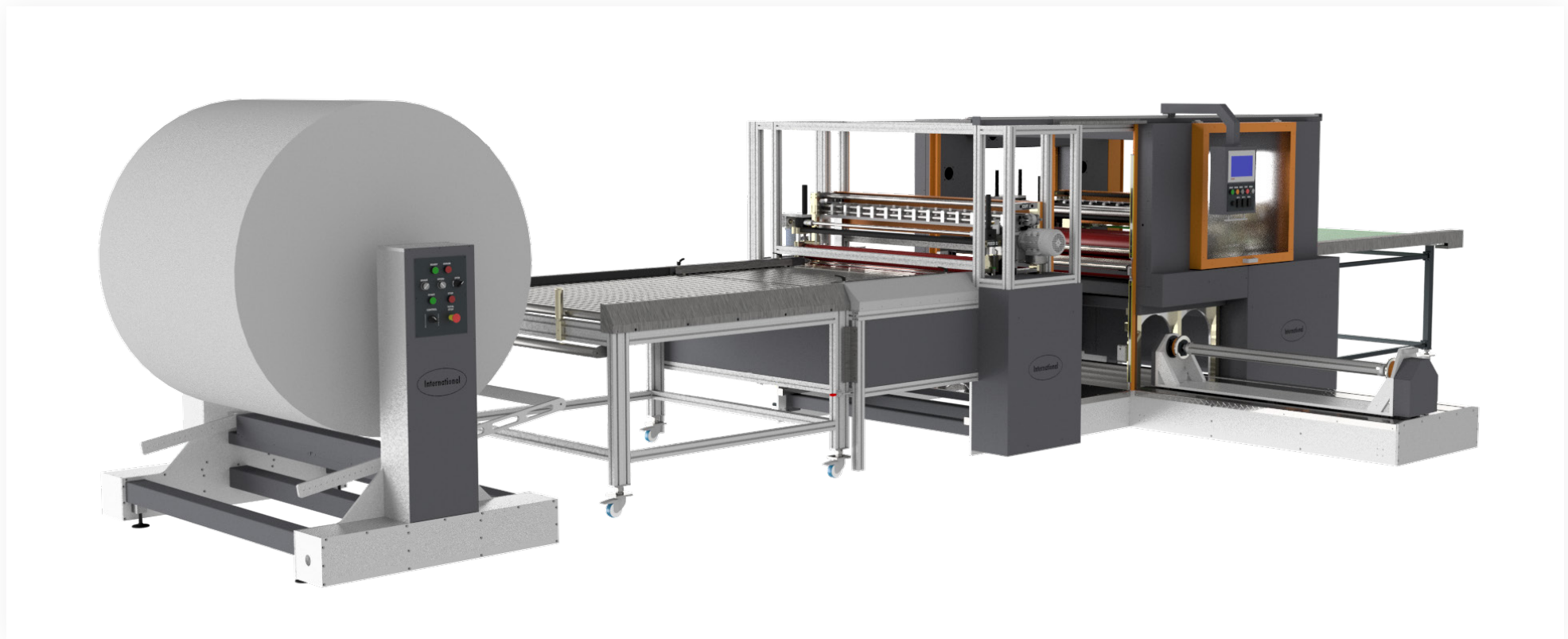
## ICZ UNW MF

The machine is equipped with:

- **Holder:** A device for shaft retention, with a maximum capacity of 4 units.

# Special Solutions

In our commitment to meet the unique needs of our customers, we stand ready to customize our machines according to their specific requirements. We are flexible and willing to adapt our equipment to best suit the individual needs and processes of our clients, ensuring optimal performance and satisfaction.





# Application of our machines

**CONSTRUCTION INDUSTRY**

**AUTOMOTIVE INDUSTRY**

**GASKET INDUSTRY**

**TECHNICAL TEXTILE INDUSTRY**

**FOAM INDUSTRY**

**RUBBER INDUSTRY**

# International



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