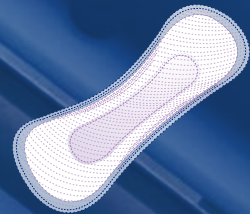


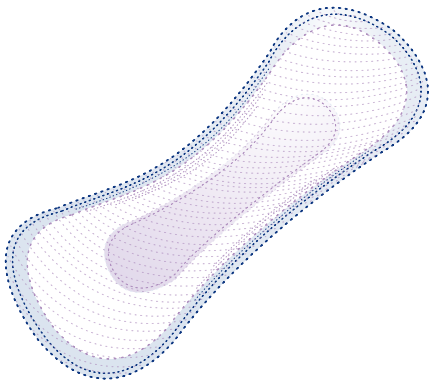


J20S-PL

PANTY LINER MACHINE

Production process flexibility
ensures optimal results.





The industry's fastest and most flexible converting solutions.

The JOA® J20S-PL Panty Liner Machine can be configured in a transverse or longitudinal process based on your product needs. Whichever process you choose, you are guaranteed one of the fastest, most versatile panty liner machines on the market. Our platform-based solution incorporates customizable features and functionalities to meet your production requirements. Designed to seamlessly handle machine upgrades as technologies evolve, components can be retrofitted with minimal investment and downtime.

LONGITUDINAL SPEED

UP TO 450
METERS PER MINUTE

TRANSVERSE SPEED

UP TO 450
PRODUCTS PER MINUTE

PRODUCTION SPEED

UP TO 3000
PRODUCTS PER MINUTE

BASE MACHINE SIZE

10-20M X 11M X 7M
(L X W X H)

THESE REPRESENT BASE CONFIGURATIONS. WE CAN ENGINEER A MACHINE TO YOUR SPECIFIC REQUIREMENTS.



Innovative technologies improve production quality and efficiency.

The proprietary Turn And Pitch (TAP) unit turns a product and transfers it to a conveyor for pouch wrapping. This is done with one unit at high speeds, eliminating the need for two units and multiple hand-offs which could lead to registration or placement errors and product edges or corners flipping back. In addition, our optional Double Pad Turner feeds two product streams into two stacking/bagging channels to remove the speed barrier associated with primary packaging.

Multiple design options to meet your unique needs.

JOA provides a wide range of options to create the exact product features you need. Multiple core forming options are available, including continuous or discrete. In addition, the JOA® quick-wrap process can wrap panty liners with or without release paper.

Enable at-speed splicing and reduce your machine footprint.

JOA® turret unwinds enable flexible material placement configurations so machine size doesn't have to conform to the width of the raw material rolls. The unwinds can be placed above the machine to reduce machine length or on the machine level to reduce machine height. And since turret unwinds do not have an accumulator, the machine doesn't need to slow down during a splice. In addition, the setup enables the shortest material web path into the machine, reducing the tension on the material which ultimately reduces web wrinkling and material waste.

Machine Features

Configured to Your Needs

- Flexible machine processes are custom designed to your specific requirements
- Engineered for customer-specific core design
- Integrates with customer-specified commercial hardware, including adhesives or ultrasonic bonding processes
- Modular frame design enables easy upgrades and modifications

Increase Uptime and Efficiencies

- Vertical Reciprocating Conveyor automatically elevates material rolls to second level
- Auto-correction systems eliminate machine stoppages

Ensure Quality with Custom Inspection System

- Proprietary Vision Control System enables customized product inspections at full speed
- Single product rejection—at speed—eliminates unnecessary waste

Low Scrap and Auto-correct Systems Minimize Waste

- Sequential process starts reduce waste downstream
- Patented Acquisition Distribution Layer (ADL) inverter correctly orients material, eliminating product defects and material waste
- Patented cuff-fold correction system spots and auto-corrects open cuff folds
- Turn and Pitch (TAP) unit positions product for wrapping in one seamless process, eliminating potential for placement errors or product defects

Superior Production Speeds

- Turret unwinds splice raw material at full machine production speed
- Full servo technology

Process Versatility Ensures Efficient Design

- In-line or transverse machine process
- Cut/crimp unit (combined or separated)

Operator Safety and Ease of Use

- Ergonomic, operator-friendly Human Machine Interface (HMI)
- Efficient adhesive unit cleaning with operator pull outs
- Maintain positions between size changes with marked indicators
- Sliding safety guards for total access to process units
- Custom sound abatement

Fully Compliant

- Global safety and electrical compliance
- Meets CE/NFPA/OSHA compliance and regulations

Responsive Support to Reduce Downtime

- Remote assistance for real-time service
- Onsite service
- Flexible Operator and Maintenance training at start-up and available throughout the life of the machine

Optional Machine Features

Glue-free Bonding Reduces Costs

- Ultrasonic embossing and ADL attachment eliminates need for adhesives and reduces energy consumption

Significantly Reduce Floor Space

- Two-level machine design—Mechanical Equipment Platform (MEP)—saves space and shortens the web

Eliminate Manual Processes

- Patented Automatic Roll Loading System (ARLS) eliminates manual roll material loading/unloading

- Advanced Recipe Manager (ARM) saves product SKU details for faster product changeout

Product Customization

- Flexographic printing with up to four colors for topsheet or ADL
- Single product pouch wrapping
- Perfume system

Maximize Efficiencies with a Double Pad Turner

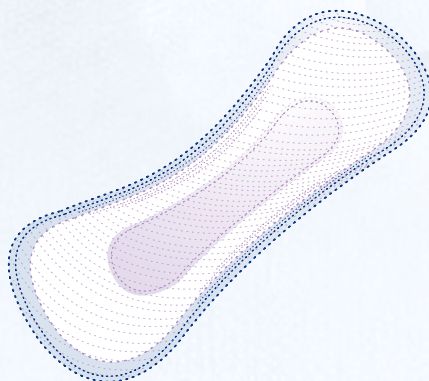
- Creates two separate streams for products to be fed into two packaging machines
- Change the orientation of the product for packaging purposes

Use Data to Make Better Decisions

- Customer-specific production data collection
- Data trending and remote support capabilities



Designs for your current needs and future goals.



Customize your products with multiple options.

Core Forming

CORE TYPES

- Continuous or discrete
- Shaped or straight

CORE APPLICATION

- Fluff or airlaid

CORE PROCESS

- High-Density Core (HDC)

ADL/Topsheet

ACQUISITION DISTRIBUTION LAYER (ADL)

- Continuous
- Slip cut
- Die cut
- Embossing
- Flexographic printing (up to 4 colors)

MATERIALS

- Three-piece topsheet/soft edges

Additional Options

OVERWRAP/POUCH

- No silicone
- Registered silicone
- Full silicone
- Pouch closure tape

PRODUCT FOLDING/WRAPPING

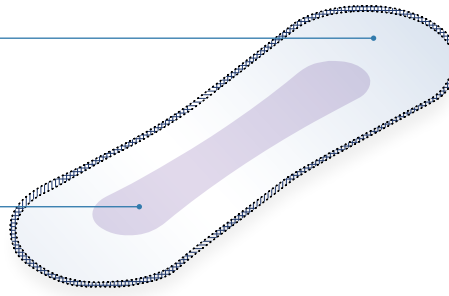
- Quick-wrap pouch
- Single-wrap pouch
- Without pouch

RELEASE PAPER

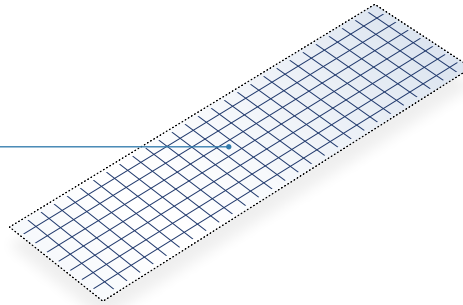
- No release paper
- Continuous
- Slip cut

● Topsheet Cover

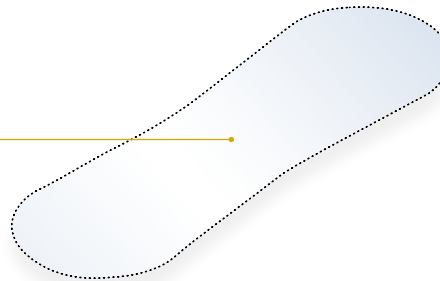
● Flexographic
Printing



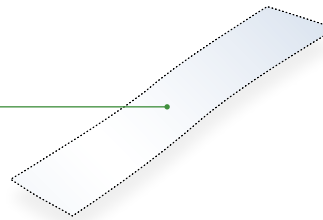
● Optional ADL/
Transfer Layer



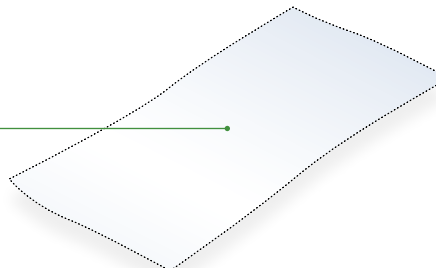
● Absorbent Core



● Optional Center
Release Paper



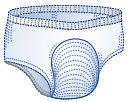
● Optional Quick-Wrap
Pouch



JOA® Machine Platforms. Ingenious technologies. Unrivalled efficiency.

We engineer it. We build it. We test it. We guarantee it.

Our team develops platforms and modifications for a broad range of customers. With engineers dedicated to designing each platform and expertise in a wide range of manufacturing processes, we help you deliver exactly what consumers want—now and in the future.



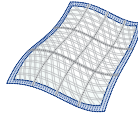
Adult
Incontinence



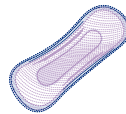
Baby
Care



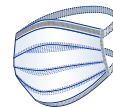
Feminine
Hygiene



Underpad



Light
Incontinence



Specialty



Upgrade
Kits

Improving the way products are produced worldwide. For nearly a century, Curt G. Joa, Inc. has provided innovative hygiene and specialty product converting platforms and technologies. At JOA, we design solutions for complex production problems based on a deep understanding of the goals each customer seeks to accomplish. Backed by proactive support, our state-of-the-art solutions are recognized for speed, quality and innovation the world over.



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SEE IT ONLINE