

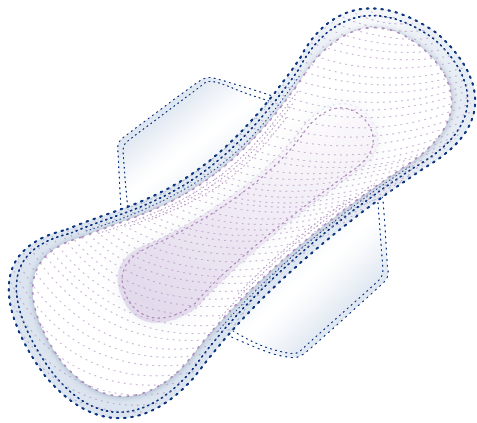


J20S-FN

FEMININE NAPKIN MACHINE

Smart production options for
your current and future goals.





Leverage industry-leading
production speed and technologies.

The JOA® J20S-FN Feminine Napkin Machine

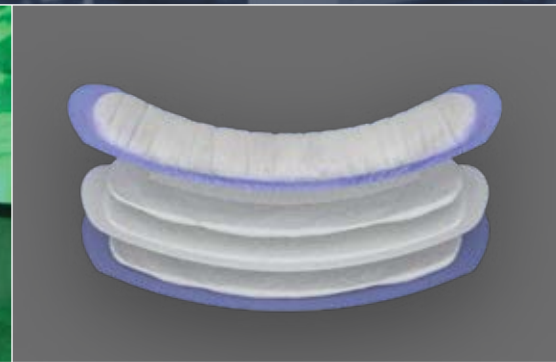
streamlines product changeover and makes future product upgrades simple. Combine that with high-speed production of multiple product configurations, and you have the industry's best platform-based solution. JOA engineers work with you to customize features and functionality to meet your product and production requirements. Designed to seamlessly handle machine upgrades as technologies evolve, components can be retrofitted with minimal investment and downtime.

**MACHINE
SPEED**
UP TO 450
METERS PER MINUTE

**PRODUCTION
SPEED**
UP TO 2600
PRODUCTS PER MINUTE

**BASE
MACHINE SIZE**
10M X 11M X 7M
(L X W X H)

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



Multiple product options to meet your unique needs.

The J20S-FN platform provides a wide range of options to create the exact product features you need. The premade airlaid core can be utilized either in rectangular or die cut configurations. Fluff and fluff SAP cores can be created in single core, dual core, continuously formed or discrete. Pouch-wrap products are available in nonwoven or poly, and you can choose from multiple wrapping options. Apply colors and patterns to your products with our in-line multi-color flexographic printer.

Innovative technologies improve efficiency and quality.

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 defects such as 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.

Designed to work with many core features.

A high density core option is offered along with our expandable core wrap. Our new patent-pending expandable core wrap design allows the core to expand within the containment wrap, regardless of the blended fluff and SAP ratio. That means core materials stay contained, the risk of leakage is reduced and your customers' skin is protected. As more cores are designed with channels to improve fluid transfer, JOA provides flexibility in product design, too.

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

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 Features 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
- Auto-correction systems eliminate machine stoppages

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

- Topsheet or ADL/Core embossing
- Flexographic printing with up to four colors for topsheet or ADL
- Single product pouch wrapping
- Universal Foam Applicator
- Wing folding with bridge tape
- Perfume system

Maximize Efficiencies with a Double Pad Turner

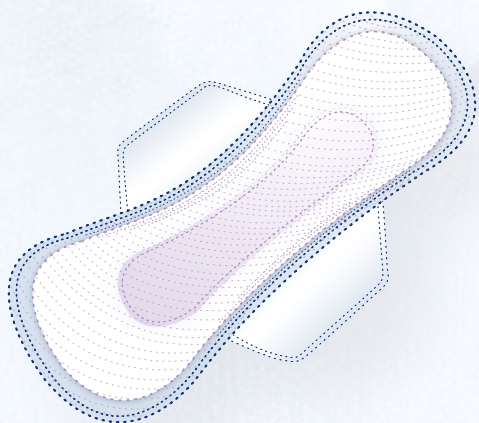
- Creates two separate streams for products to be fed into two packaging machines
- Change the orientation of the product for packaging purposes

Use Data to Make Better Decisions

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

A woman with blonde hair tied back is shown in profile, focused on her work. She is seated at a workstation, with her hands on a keyboard. The background is a blurred industrial environment, featuring a robotic arm with the label 'T301' and various mechanical components. The entire image is overlaid with a semi-transparent blue filter and a grid pattern.

Engineering innovations that put your
production process and people first.



Customize your products with multiple options.

Core Forming

CORE TYPES

- Single or dual
- Continuous or discrete
- Shaped or straight
- Channeled

CORE APPLICATION

- Fluff or airlaid

CORE PROCESS

- High-Density Core (HDC)

ADL/Topsheet/Backsheet

ACQUISITION DISTRIBUTION LAYER (ADL)

- Continuous
- Slip cut
- Die cut

MATERIALS

- Three-piece topsheet/soft edges
- Wing folding with bridge tape

Additional Options

OVERWRAP/POUCH

- No silicone
- Registered silicone
- Full silicone

PRODUCT FOLDING/WRAPPING

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

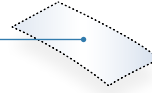
RELEASE PAPER OPTIONS

- No release paper
- Continuous
- Slip cut

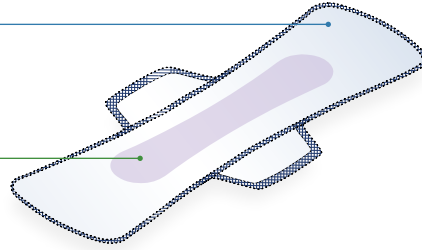
ADDITIONAL OPTIONS

- Flexographic printing (up to 4 colors)
- Pouch closure tape
- Embossing

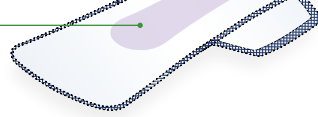
● Bridge Release Paper



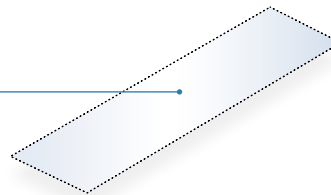
● Topsheet Cover



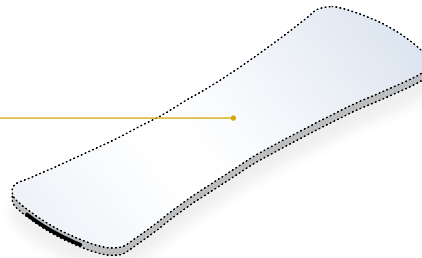
● Flexographic Printing



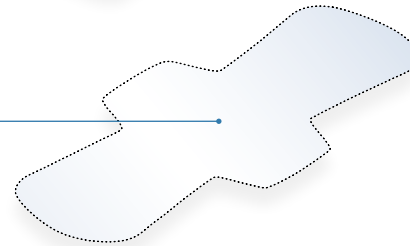
● ADL/Transfer Layer



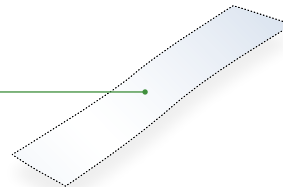
● Absorbent Core



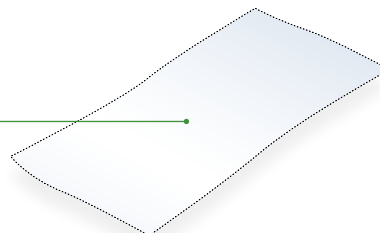
● Poly Backsheet



● Optional Center
Release Paper



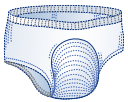
● Pouch Wrap



JOA® Machine Platforms. Ingenious technologies. Unrivalled efficiency.

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

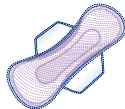
Our team develops platforms and modifications for a broad range of customers. With engineers dedicated to designing each platform and expertise in a wide range of manufacturing processes, we help you deliver exactly what consumers want—now and in the future.



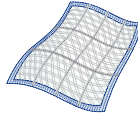
Adult
Incontinence



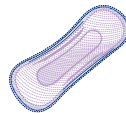
Baby
Care



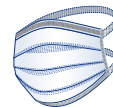
Feminine
Hygiene



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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