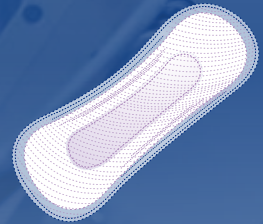


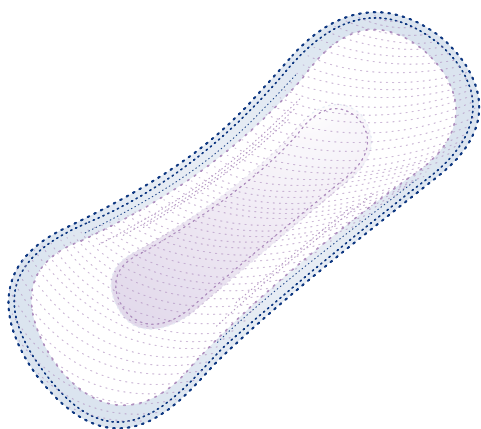


J20S-LI

INCONTINENCE MACHINE

Increase production volume while
maximizing product features.





The speed and precision
for your needs.

The JOA® J20S-LI Light Incontinence Machine gives you flexibility to expand your production capabilities and product design features. This solution combines our proprietary technologies with your custom product features and production requirements.

Increase throughput and product quality with JOA's industry-leading production speed and automatic, quality-control technology options. 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 1500**
PRODUCTS PER MINUTE

**BASE
MACHINE SIZE**
30M X 11M X 6.7M
(L X W X H)

*UP TO 330 MPM FOR SINGLE-WRAP PRODUCTS. **UP TO 1,100 PPM FOR SINGLE-WRAP PRODUCTS. THESE REPRESENT BASE CONFIGURATIONS. WE CAN ENGINEER A MACHINE TO YOUR SPECIFIC REQUIREMENTS.



Custom built for your product features.

The J20S-LI platform provides a wide range of options to create the exact product features you need. Multiple core forming options are available, including single, dual, discrete or continuous. Products can be trifolded with or without a pouch wrap and adhesive seal. Print up to four colors and patterns on the topsheet with our multi-color flexographic printer.

Reduce waste and improve production efficiencies.

Our J20S-LI features proprietary technologies, including turret unwinds that splice raw materials at production speed. The JOA® turret design eliminates the need for raw material accumulation, which avoids wrinkling the web to reduce product defects. In addition, the Low Roll Splice Initiation System reduces material waste by minimizing the amount of material left on the roll core before initiating the splice.

Increase uptime and eliminate manual processes.

With our automated technologies, significantly reduce manual labor requirements and improve operator safety. Our Automatic Roll Loading System (ARLS) automates material loading, from roll retrieval to placement on the turret to disposal of the empty core.

Machine Features

Significantly Reduce Floor Space

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

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

Quality Control and Reduced Waste

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

- Compact design enables shorter web paths to reduce web wrinkling and the resulting product defects
- Low Roll Splice Initiation System minimizes unused material left on each roll

Superior Production Speeds

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

Operator Safety and Ease of Use

- Sliding safety guards for total access to process units
- Ergonomic, operator-friendly Human Machine Interface (HMI)
- Custom sound abatement
- Metering function for each turret unwind enables easy machine web-up

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

Eliminate Manual Processes and Improve Operator Safety

- Patented Automatic Roll Loading System (ARLS) eliminates manual roll material loading/unloading
- Turn and Pitch (TAP) unit positions product for wrapping in one seamless process, eliminating potential for placement errors or product defects
- Advanced Recipe Manager (ARM) saves product SKU details for faster product changeout

More Product Customization Options

- Topsheet or ADL/core embossing
- Flexographic printing with up to four colors for topsheet or ADL
- Single product pouch wrapping
- Universal Foam Applicator

Use Data to Improve Efficiencies

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

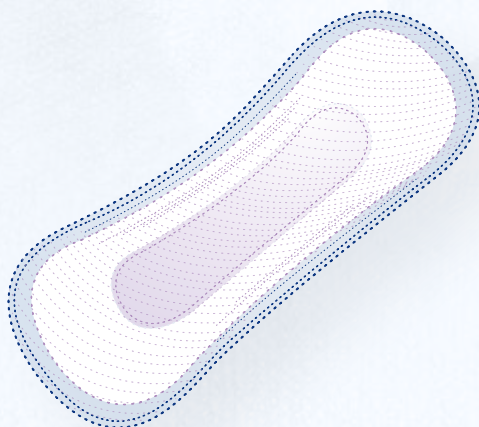
Glue-free Bonding Reduces Costs

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



Smart technologies that increase efficiencies,
maximize quality and minimize waste.





Customize your products with multiple options.

Core Forming

CORE TYPES

- Single or dual
- Continuous or discrete
- 3D or straight
- Channeled

CORE APPLICATION

- Fluff or airlaid
- Core or airlaid embossing

CORE COMPOSITION

- High-Density Core (HDC) process

WRAPPED CORE OPTIONS

- Expandable core wrap

ADL/Topsheet/Backsheet

ACQUISITION DISTRIBUTION LAYER (ADL)

- Continuous
- Slip cut
- Die cut

TOPSHEET

- Single or 3-piece construction
- Topsheet cuff
- Topsheet/ADL embossing
- Lotion application
- Flexographic printing (up to 4 colors)

BACKSHEET

- Nonwoven or poly backsheet

MATERIAL

- Three-piece topsheet/soft edges
- Elastic strands, stretch film, stretch foam

Additional Options

RELEASE PAPER

- Continuous
- Slip cut

OVERWRAP/POUCH

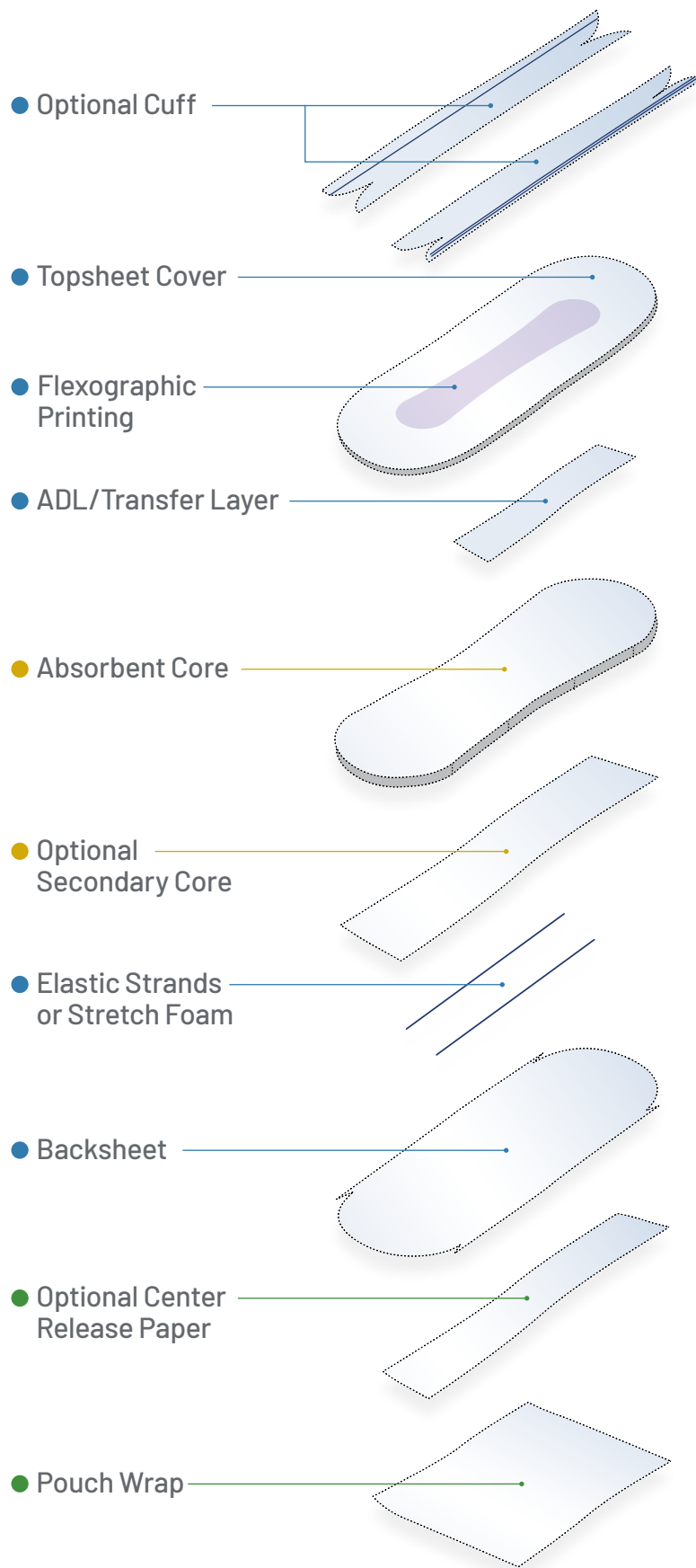
- Poly or nonwoven

PRODUCT FOLDING/WRAPPING

- Single product quick-wrap
- Tri-fold and pouch wrap, with or without adhesive seal
- Tri-fold and no wrap, without adhesive seal

ADDITIONAL OPTIONS

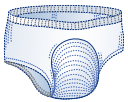
- Perimeter seal
- Perfume system
- Pouch closure tape
- Odor control
- pH control



JOA® Machine Platforms. Ingenious technologies. Unrivalled efficiency.

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

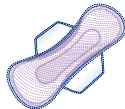
Our team develops platforms and modifications for a broad range of customers. With engineers dedicated to designing each platform and expertise in a wide range of manufacturing processes, we help you deliver exactly what consumers want—now and in the future.



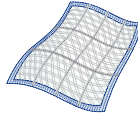
Adult
Incontinence



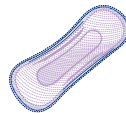
Baby
Care



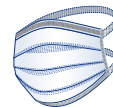
Feminine
Hygiene



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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