

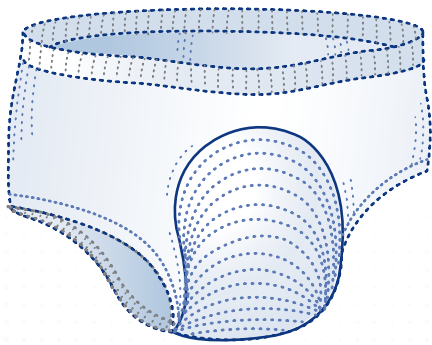
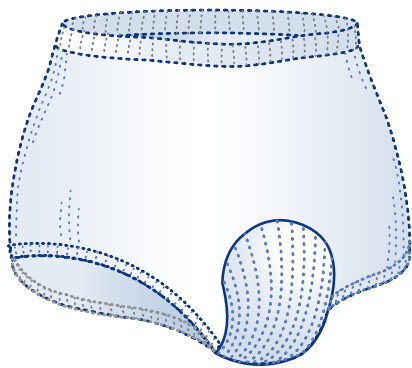


# J71-AP

ADULT PANT MACHINE

A scalable platform built for your ongoing product and production needs.





Industry-leading technology  
designed for your needs.

**The JOA® J7I-AP Adult Pant Machine** is available in full metric and utilizes the industry-leading technology from the J8T-AP machine with a smaller footprint. The machine is completely custom-built to your product and production needs. It features JOA® technologies that improve product quality, reduce waste in your production process, and eliminate time-consuming manual tasks.



**MACHINE  
SPEED**  
UP TO 250  
METERS PER MINUTE

**PRODUCTION  
SPEED**  
UP TO 300  
PRODUCTS PER MINUTE

**BASE  
MACHINE SIZE**  
30M X 10M X 6.8M  
(L X W X H)

**ADULT PANT  
SIZES**  
SMALL TO XXL

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



#### **Reduce waste and improve production efficiencies.**

The J7I-AP platform features proprietary technologies, including turret unwinds that splice raw materials at-speed. The Hurricane™ Folder folds products into a compact rectangular shape that results in packaging material savings. In addition, JOA's patented Single Transfer Insert Placement Process (STIPP) improves product quality by reducing the variability between chassis and insert placement and enabling adhesives to be put on the insert so no glue is exposed and flipped corners are eliminated.

#### **Increase uptime and eliminate manual processes.**

With automated technologies, JOA has developed many ways to eliminate manual tasks, improving operator safety and saving customers time and money. Our Automatic Roll Loading System (ARLS) completely automates roll loading from roll retrieval to core disposal. Our patented pneumatic air threading technology enables the operator to simply push a button to rethread the web in the event of breakage, instead of locking down the machine and rethreading the web manually.

#### **Quality control and waste reduction technologies.**

Product inspections are completely customized and our proprietary Vision Control System integrates with all of our machine processes. Our unique process also activates automatic self-correcting systems when product defects are detected, significantly reducing material waste and ensuring product quality throughout production. In addition, ultrasonic bonding capabilities significantly reduce energy consumption and material costs by eliminating the need for an adhesive.

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## 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
- Experience and advice to determine the optimal product design for production efficiency

### Improve Labor Efficiencies

- Auto re-feed reduces stoppages due to damaged material
- Patented auto-correction systems eliminate machine stoppages
- Vertical Reciprocating Conveyor automatically elevates material rolls to second level
- Metering function for each turret unwind enables easy web-up of machine

### Quality Control and Reduced Waste

- Low Roll Splice Initiation System minimizes unused material left on each roll
- Intermittent nonwoven backsheet application available
- Proprietary Vision Control System enables customized product inspections at full speed
- Patented cuff-fold correction system spots and auto-corrects open cuff folds
- Single product rejection—at speed—eliminates unnecessary waste
- Design enables shorter web paths to reduce web wrinkling and the resulting product defects

### Glue-free Bonding Reduces Costs

- Ultrasonic lamination of stretch film and nonwoven for front and back panel
- Ultrasonic Elastic Entrapment eliminates need for adhesives and reduces energy consumption

### 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

### 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

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## Optional Machine Features

### Eliminate Manual Processes

- Patented pneumatic air threading technology enables operator to simply push a button to rethread a broken web
- Advanced Recipe Manager (ARM) saves product SKU details for faster product changeout

### Product Customization

- Single product pouch wrapping
- Flexographic printing with up to four colors for topsheet or ADL
- Cut-to-register function

### Data Collection

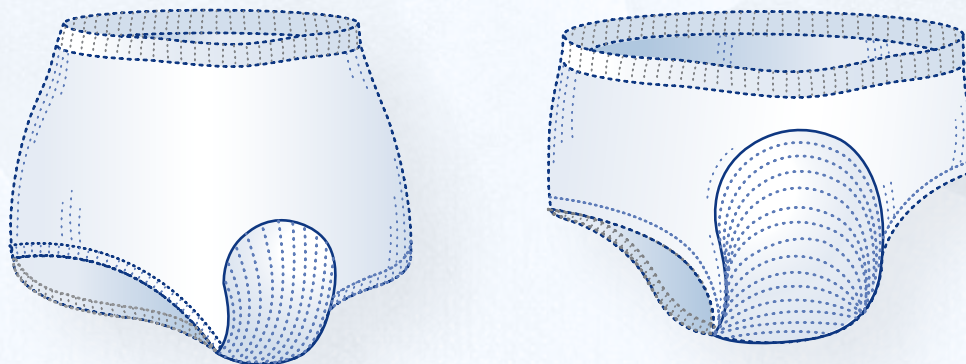
- Customer-specific production data collection
- Data trending and remote support capabilities





Smart engineering. Flexible designs.  
Lasting performance.





Customize your products with multiple options.

## Core Forming

### CORE TYPES

- Single or dual
- 2D or 3D
- Continuous or discrete
- Shaped or straight
- Channeled

### CORE APPLICATION

- Fluff or airlaid

### CORE COMPOSITION

- Pulp-less core process
- High-Density Core (HDC) process

### CORE WRAP TYPES

- C-wrap with cover
- Single wraparound
- Sandwich wrap

### CORE WRAP MATERIAL

- Tissue or nonwoven

## Insert

### BACKSHEET

- Backsheet lamination
- Intermittent nonwoven backsheet application
- Registered backsheet

### CUFFS

- Standing leg gathers/ cuff for three-piece topsheet construction
- Curved leg elastics and die cut

### DISTRIBUTION LAYER

- Automatic Acquisition Distribution Layer (ADL) orientation correction system

### COMFORT FEATURES

- Wetness indicator
- Lotion application

## Chassis

### NONWOVEN

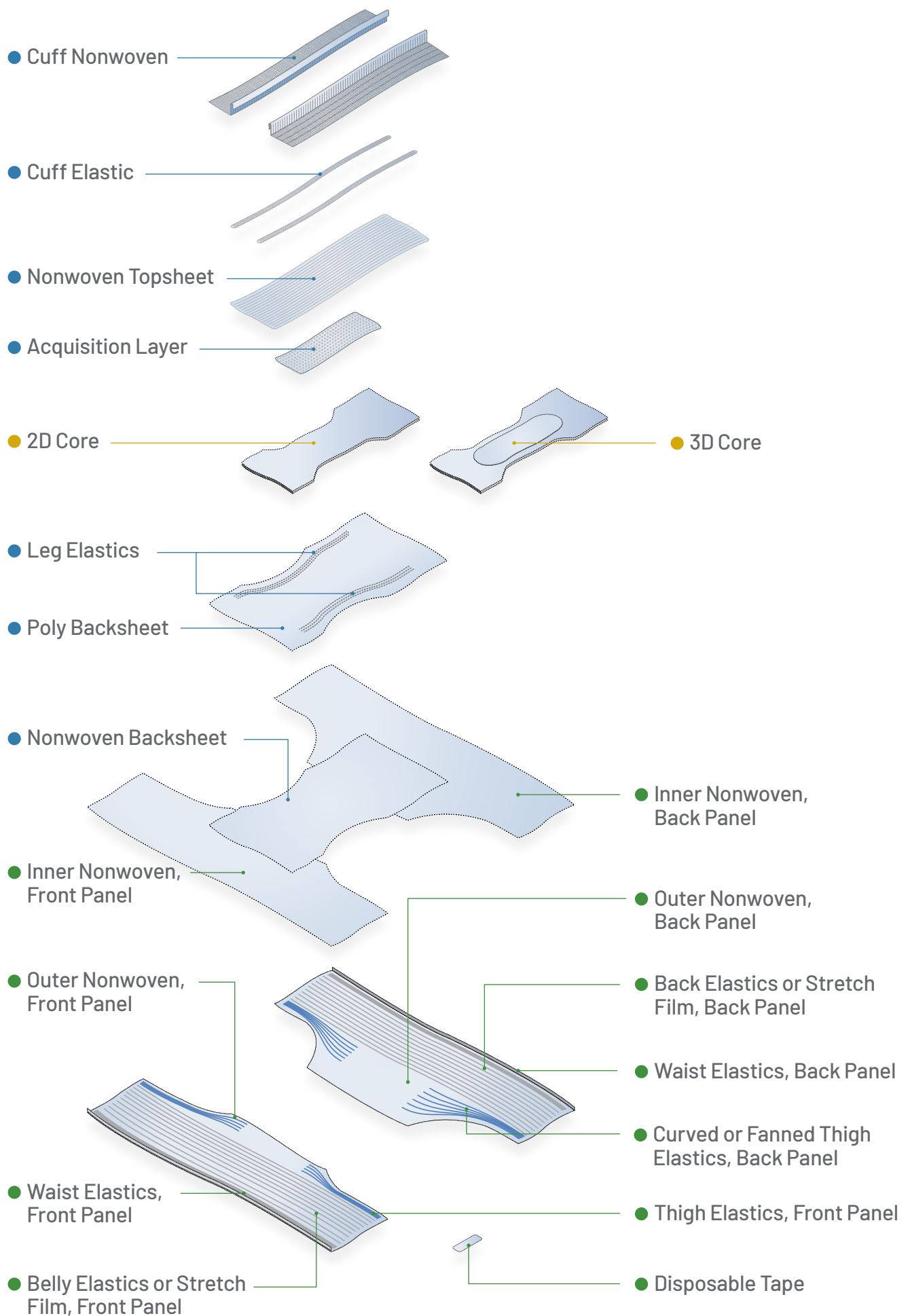
- Full outer nonwoven or split front and back panels
- Lamination of inner and outer nonwoven

### ELASTICS

- Ultrasonic entrapment of cuff elastics
- Waist elastics
- Parallel curved thigh elastics
- Fanned thigh elastics
- Elastic deactivation—crush or traditional cut

### OTHER

- In-line stretch film lamination
- Leg die cut
- Ultrasonic side seams
- Disposable tape
- Back tag
- Single product pouch wrap

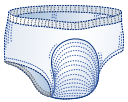




## JOA® Machine Platforms. Ingenious technologies. Unrivalled efficiency.

### **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.



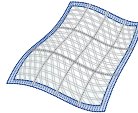
Adult  
Incontinence



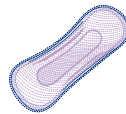
Baby  
Care



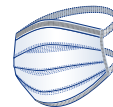
Feminine  
Hygiene



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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