

Make the Impossible Possible



# ZUIKO MODULAR SYSTEM

Modularity for the Future



SUSTAINABLE DEVELOPMENT GOALS



Involvement in the manufacturing of disposable diapers, we are also committed to work on pursuing SDGs like "Responsible Consumption and Production," and "Good Health and Well-Being."



ZUIKO Corporation

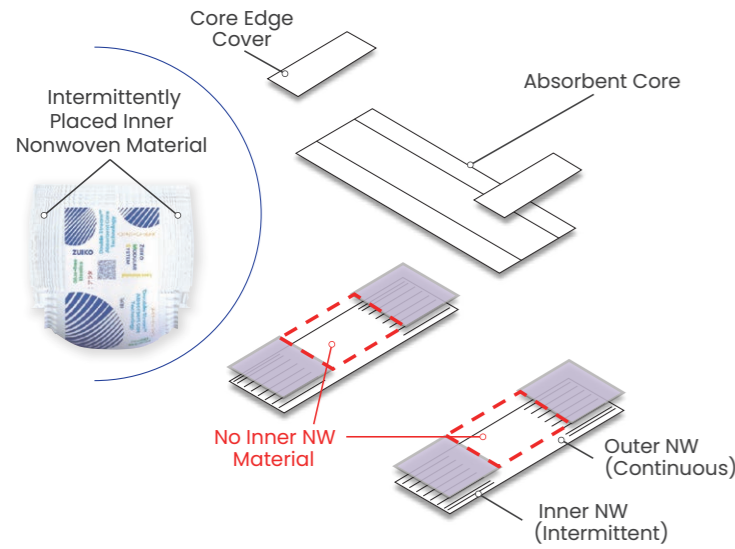
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# ZUIKO MODULAR SYSTEM

## Baby Pants Diaper Converting Machine

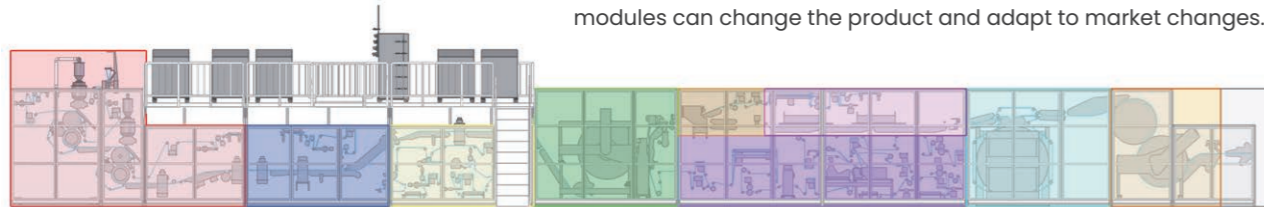
### Standard Product Design



	Product Improvement
Material Amount	Intermittent lamination of inner nonwoven material reduces usage without affecting product performance nor quality.
Texture	Less hot melt adhesive means fewer material layers resulting in softer, thinner and lighter products.
Appearance	Only one outer nonwoven layer so the product's design graphic is clearer and more vibrant.

### ZUIKO Modular System

The converting machine uses a system of modules that are focused on one process in the production of pants diapers. Modifying one or a few modules can change the product and adapt to market changes.

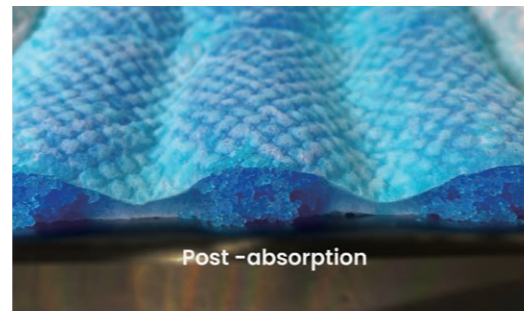
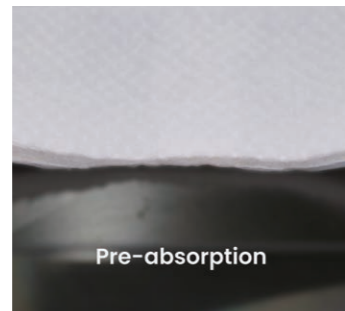


### Glue-free Elastics

Securing elastic threads using our Glue-free technologies improves diaper breathability, softness, comfort and reduces the amount of petroleum based material in each diaper.

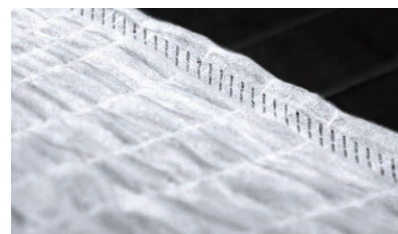
### Next Generation Absorbent Cores

Choosing from the latest SAP sheets, hybrid SAP sheets or SAP phasing technologies, customers can choose the best absorbent core for their product strategy.

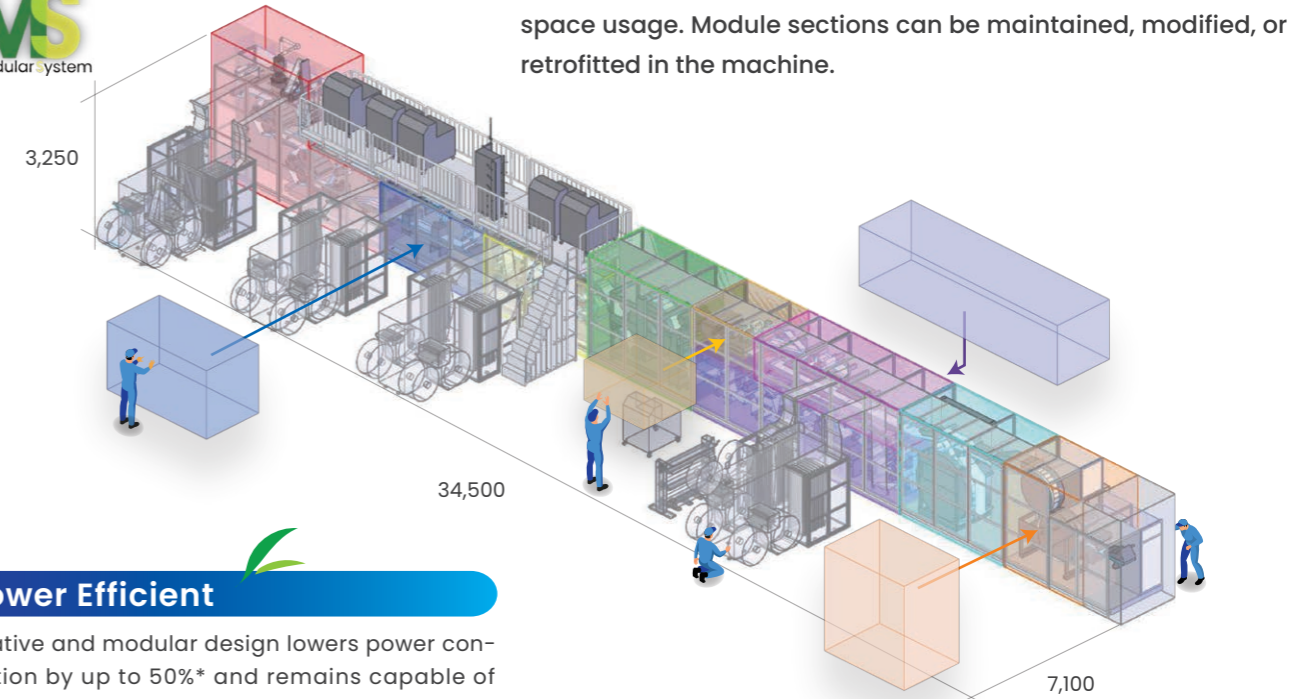


### Next Generation Side Sealing

ZUIKO's new high speed rotary ultrasonic side seal technology improves seal strength and visual appearance. Its sealing accuracy reduces the amount of material necessary for a clean and successful seal.



### Efficient & Flexible Production

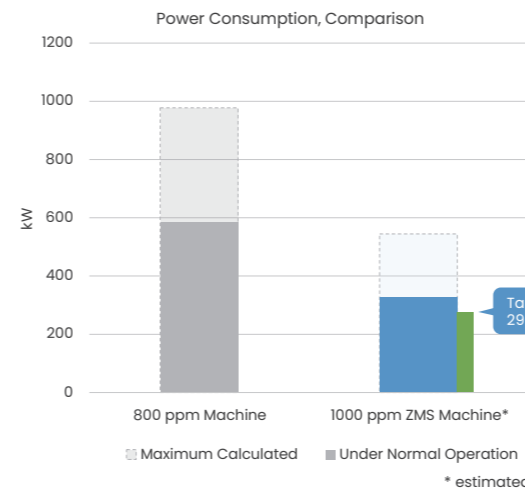


The machine's small space requirement maximizes factory space usage. Module sections can be maintained, modified, or retrofitted in the machine.

### Power Efficient

Innovative and modular design lowers power consumption by up to 50%\* and remains capable of converting 1,200 diapers per minute.

\*compared to standard 800ppm baby pants diaper machines



### Production Efficient

- Time to change product sizes as short as 2 hours.
- Standardized layout helps with training and aids troubleshooting.
- Consolidating and redirecting compressed air uses 60% less than standard 800 ppm speed machine.

## 01

### Lower Delivery Cost

Each modular section can fit in dry shipping containers reducing delivery costs

**30-40%\***

\*based on shipping costs from Japan to New York and from Japan to Istanbul



## 02

### Data Analytics

Machine data is digitally recorded and used to analyze and evaluate machine performance. ZUIKO engineers use it to design module modifications and improve machine performance per market requirements.

