

**FLEXIBLE PACKAGING
FOR A BETTER FUTURE**





EUREKA! UWRAPCO

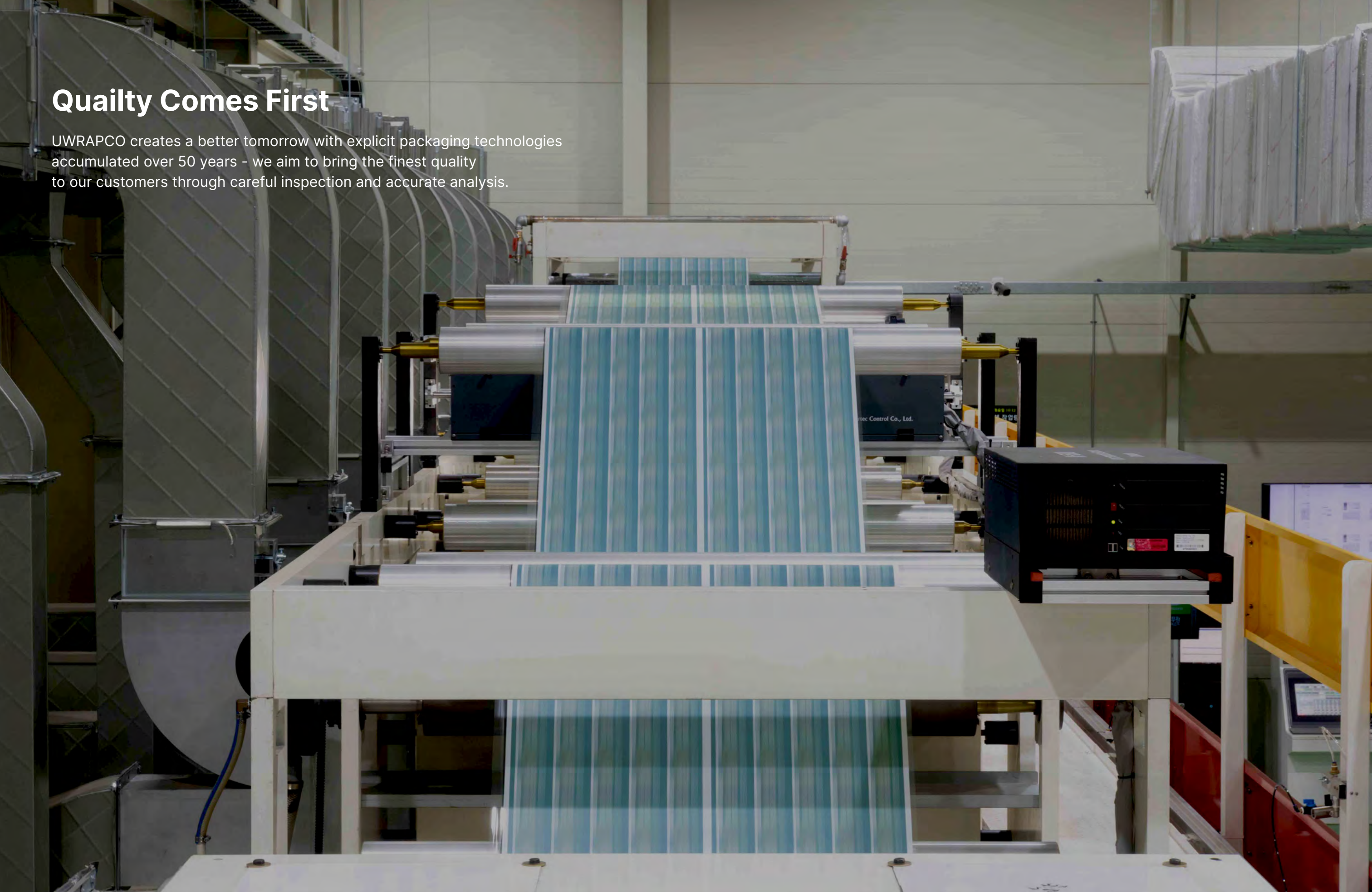
Through creative discoveries along with continuous research and development, we create new values in the packaging industry

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Quality Comes First

UWRAPCO creates a better tomorrow with explicit packaging technologies accumulated over 50 years - we aim to bring the finest quality to our customers through careful inspection and accurate analysis.





CEO Message

Through constant research and with highest standards we will continue to develop and innovate to add leading values to the packaging industry



Over 50 years of packaging expertise

Since its establishment in 1969, UWRAPCO has grown along with the history of the Korean packaging industry. With the exceptional expertise and superior technologies, we are producing excellent products in various fields of everyday life

We strive to achieve sound and balanced growth as we contribute to our economy, environment, and society with sustainability as our management philosophy

Based on our corporate philosophy that specifically emphasizes people and nature, we are conducting socially responsible managements while aiming for a better future

For more than half a century, our milestone reflects the pride and history we achieved, and our dream to become a centennial company still lives on. We will continue to create better products and a healthier future through industry-leading changes and innovations

It is our pledge to reward our customers with better service through sustainable growth, and we will continue to listen to our customers as we reach out to their needs

Thank you

Gun-gyu Park, CEO
UWRAPCO

Brand Philosophy

Flexible Packaging for a Better Future

With our environmentally and socially responsible management
UWRAPCO pledges to build a better tomorrow

We strive to provide better values to our customers through quality packaging solutions. We will continue to move forward to become an organization that shares the future with our customers



Packaging for Tomorrow

UWRAPCO offers packaging solutions for a better tomorrow

We provide safer and more convenient packaging solutions to contribute to healthier environments for human and nature



Flexible Creativity

UWRAPCO offers the customers with ideal packaging solutions through creative ideas and actions

We bring innovations to quality and technology with our creative and flexible perspectives to create a paradise in the packaging industry



Cooperation in Mind

UWRAPCO will continue to create better life values through cooperation and mutual collaborations with customers and partners

We will create a culture of shared growth with beneficial social values through mutual communication and cooperation

History

UWRAPCO has led the Korean packaging industry for more than half a century. It is our promise that we will become a global packaging company that enriches community and the environment on the basis of the trust and technology.



1969-1999

- 1969**
Established "GaeRyang Indusy" (CEO, Park Byung-jun)
- 1991**
Established "YUJUWANG" (CEO, Park Gun-gyu)
- 1997**
Selected as one of the "Promising SMEs" by Gyeonggi Province
- 1998**
Acquired 4 patents including anti-counterfeiting label using export film
- 1999**
Acquired ISO 9001 Certification



2000-2010

- 2000**
Changed corporate name to "UWRAPCO"
- 2002**
Received "Model Taxpayer Award" from NTS
- 2006**
Received "INNO-BIZ Award for Innovative SMEs"
Received 5-Million Dollar Exporter Award
- 2007**
Received certification from Ministry of Labor as CLEAN Workplace
- 2009**
Established affiliate company "KIB" (PET bottle production plant)
- 2010**
Obtained and registered multiple industrial patents



2011-2015

- 2013**
Received Plaque of Recognition for Zero Defect Workplace
Received Best Improvement Practice Award
Acquired Venture Company Certificate
- 2014**
Received certificate of Recognition for contribution to Product Quality Stability
Received certificate of Recognition from KITA
- 2015**
Established a new spout pouch production line



2016-2020

- 2016**
Implemented expansion of the 1st Plant
Established the 2nd Plant
Selected as an excellent partner company for shared growth
- 2017**
Established the 3rd Plant
- 2019**
Introduced an eco-friendly gravure printing press
- 2020**
Received Green (technology, product) Certification
Acquired ISO 14001 and ISO 22000 Certification



2021 ~

- 2022**
Established UWRAPCO Hwaseong Plant
Acquired FSSC 22000 Certification
- 2023**
Established COVEREX, LLC for Global sales
Introduced eco-friendly flexo printing press
Received award for development of mono-material packaging



1900's

2000's

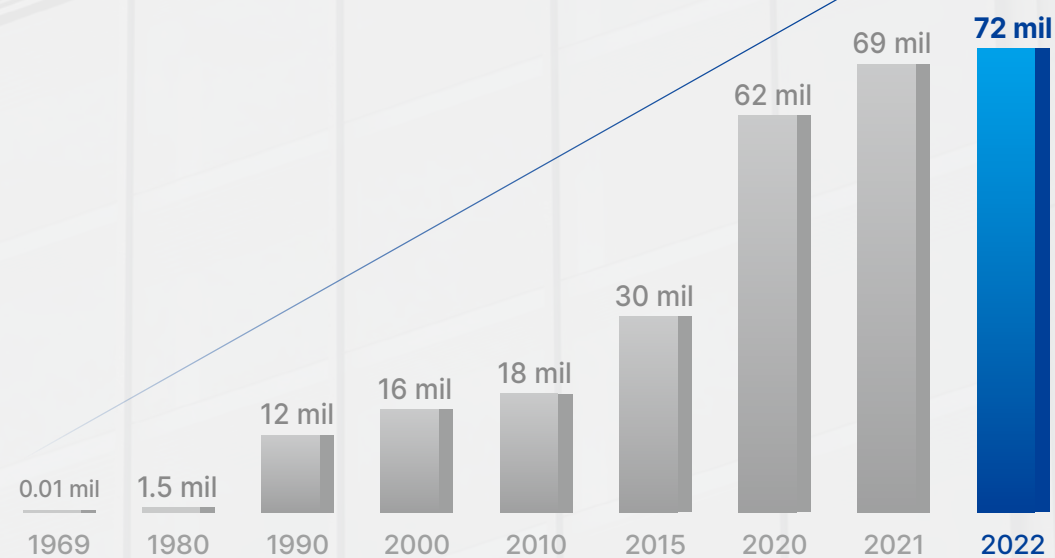
PRESENT

Company Profile



Financial Highlights

(Unit : million USD)



Green Management

Eco is UWRAPCO

UWRAPCO strives to bring customer satisfaction and earn trust through sustainable green management

We have established an environmental management system (ISO 14001) to proactively minimize environmental problems such as industrial waste and noise from work places.

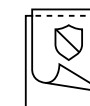


Green Management System



Green Certification

- Reduction of carbon emissions and ink usage
- No harmful chemicals
- Water-based gravure inks



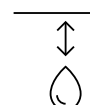
Elimination of PVDC

- Use of alternative materials such as ALOX, PVOH (PVA), EVOH, etc.



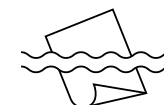
Mono Material

- ALL-PE, ALL-PP
- Materials with highest recycling grade



Use of washable PET Shrink Labels

- Separation of washable ink from the label using specific solution



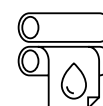
Low Density Shrink Labels

- Materials with highest recycling grade
- PP, LDPET, LDPE



PCR PET

- Polyester film with recycled plastic raw materials



Water-based Flexographic Printing

- Reduces carbon emissions and ink usage
- No hazardous chemicals (100% water as diluent)
- Improved work environment and atmosphere for workers: odorless, reduced noise, and reduced weight of materials used during production



Replacing AL & VMPET Materials

- Packaging with gas barrier adhesives and coatings

Quality Management

Better Quality, Better Products

UWRAPCO constantly pursues innovation to bring perfect project execution and best quality. We are strengthening quality management throughout our corporate conducts, including integrated and systematic process management and applying quality management system to all domestic and overseas projects

Quality Management System

UWRAPCO has been certified to ISO 9001 Quality Management System. We aim for 'zero defects' in all areas of business through preventive activities, protocols and the most strict quality assessment

ERP Systems

• Efficient Support Management

- Optimize production planning
- Use only registered materials for error-free production
- Efficient resource management

• Live Access

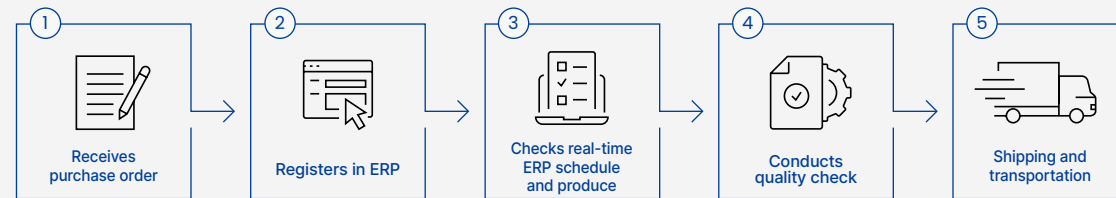
- Collect and process data in real time to verify processes
- Quick decision making and problem solving

• Quality Management and Control

- Identify and track defective products in the manufacturing process
- Identify problems early to prevent further production and time loss

• Cost Reduction and Resource Optimization

- Efficiently manage inventory, production planning, supply chain, etc



Food Safety Management System

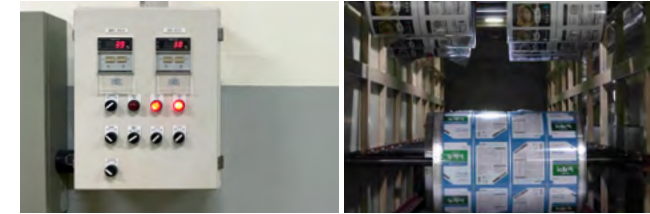
UWRAPCO has made 'safety' the top priority of its corporate management. We are certified with the Food Safety Management System 'ISO 22000' and 'FSSC 22000' to ensure the highest level of food packaging safety

⌈⌈ We produce safe and reliable food packaging ⌋⌋



Smart Quality Management

UWRAPCO uses state-of-the-art facilities for quality innovation and customer satisfaction



Curing Room

- Maintains the recommended temperature with systemized controller



Temperature and Humidity Control

- 24/7 temperature and humidity check via online system
- Provided with on-site automatic humidification



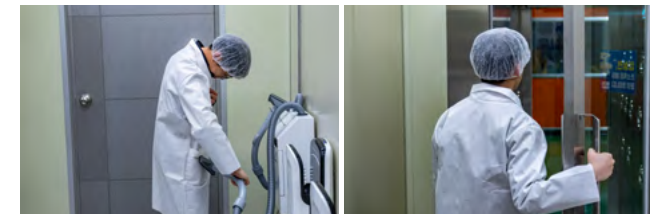
UV Insect Control & Debris Collection

- Minimize potential problems by keeping out pests and external contamination
- Enhance quality control by proactively preventing and controlling pests and follow through pest control procedures



Vision System

- Detects print defects at speeds up to 400m/min



Sanitary Rooms

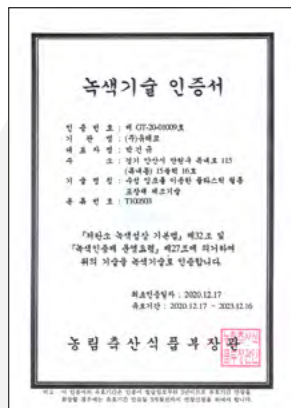
- Create hygienic work environment
- Prevent contamination



R&D Research

- Improves quality with continuous research and data analysis
- Establishes quality standards and complies with regulations through lab testing

Certificates



Patents

- 1997** Composite film for cap seal and its manufacturing method
- 1998** Anti-counterfeiting label using shrink film and its manufacturing method
- 1999** Method for manufacturing heat shrinkable film and its manufacturing device
Method for adhering tape to heat shrinkable film and its device
- 2002** Registered utility model for a label applied to a mineral water bottle
- 2009** Container packaging method using shrink film and holographic sticker
- 2012** Angled milk container label film, manufacturing device and its method
- 2020** Packaging film using laminatable eco-friendly water-based inks
- 2023** Easy-cut packaging material and its method

Certifications

- 1999** ISO 9002 Certification
- 2002** KS Q ISO 9001 Quality Management System Certificate
- 2020** Green Technology Certification
- 2021** Green Technology Product Certification (Plastic film packaging material manufacturing technology using water-based ink)
- 2022** FSSC 22000



World-Class Flexible Packaging Solutions

PRODUCTS

- PE Stretch Label
- Shrink Label
- Wrap Around Label
- Rollstock
- In-Mold
- Easy Peel Lid
- Pouch
- Spout Pouch
- Thermoforming Film
- PE Shrink Bundle Film

PE Stretch Label

An environmentally friendly label with mono-material composition for easy recycling
(specific gravity < 1)



Shrink Label

Shrink in response to heat and shaped to fit a variety of containers



Wrap Around Label

Ideal for bottled water,
beverage and sauce containers
Easy to remove



In-Mold

Molded labels merge with a container
to create a single product
Adds product preservation



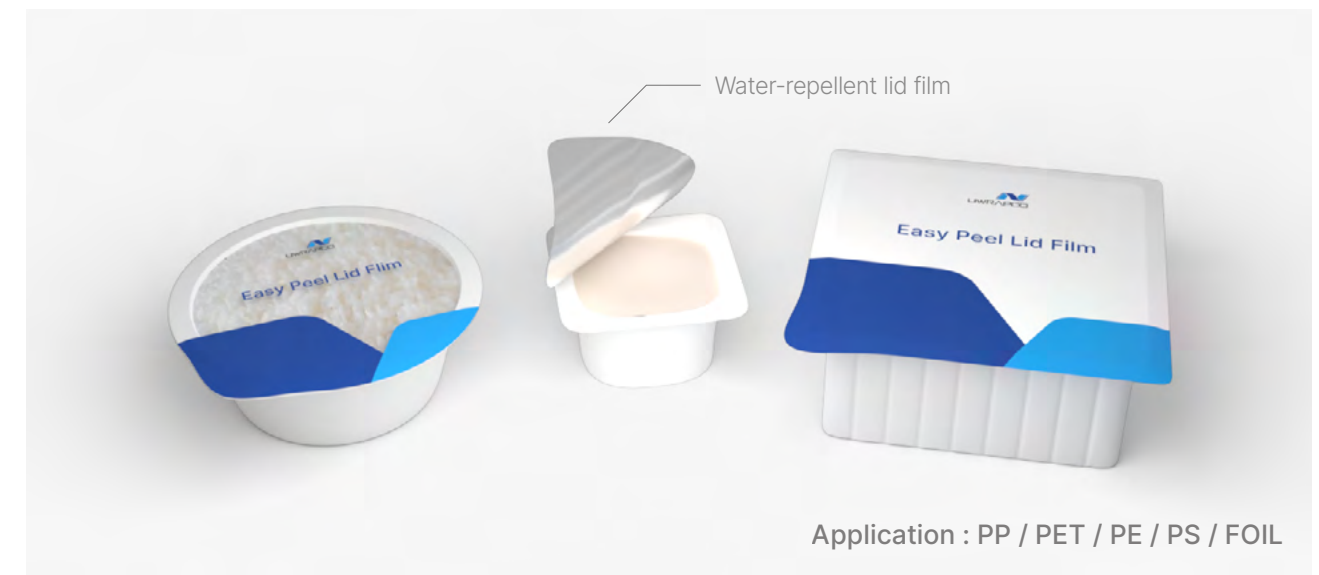
Rollstock

Mounted in rolls on production equipment to package
various shapes of products



Easy Peel Lid

Functional cover for various containers
Conveniently separates with easy peel film



Pouch

Can be shaped in various forms with required functions



Spout Pouch

Spout cap application for product preservation, convenience, and versatility



Spout cap
* Available sizes : 9Φ, 11Φ, 15Φ, 18Φ, 22Φ



Kids safety caps Tube feeding caps Specialty type caps



Thermoforming Film

Products with top and bottom films for vacuum packaging



PE Shrink Bundle Film

Packing product in bundles using shrinkage function of PE film



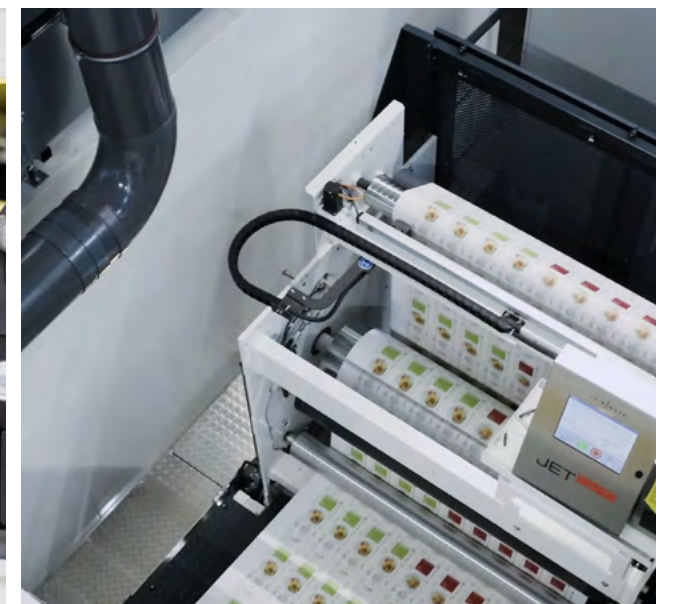
FACILITIES

- Flexo Printing
- Gravure Printing
- Dry Laminating
- Solvent-less Laminating
- Slitting
- Sealing/Inspection
- Pouches
- Heat Sealing
- Perforation
- IML Die Punching
- Spout Attachment Line

Flexo Printing

Convex plate printing process that uses flexible plates and water-based inks
Printing method is in line with global eco-friendly policies
in preparation for strict environmental regulations

Source : W&H



Rotogravure Printing

Equipped with a vision system that detects print errors at speeds up to 400m/min

Colors: 10

Maximum speed: 400m/min



Dry Laminating

Possible lamination widths up to 1,100 meters



Solvent-less Laminating

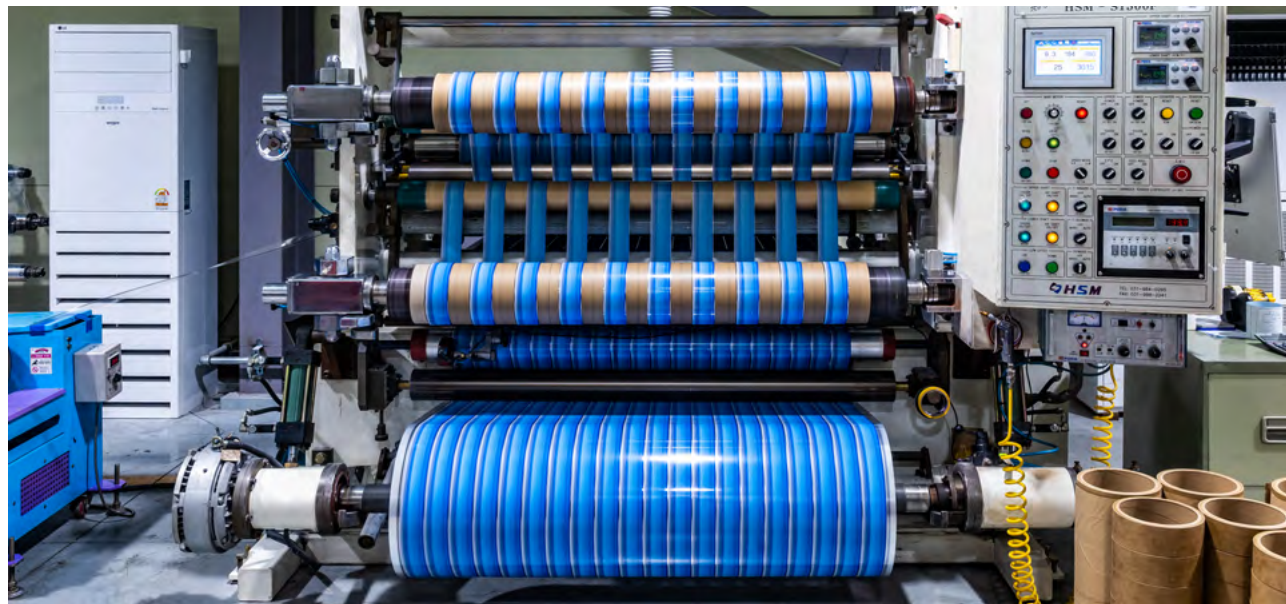
Environmental-friendly lamination process using solvent-less adhesives

No curing time is required, unlike conventional dry laminating



Slitting

Process of cutting films to desired size



Spout Cap Attachment Line

Automatic cap attachment line

Available types: 9Φ, 11Φ, 15Φ, 18Φ, 22Φ, specialty caps



Manufacturing Process

Various manufacturing lines to meet specific needs of the final product



Sealing/inspection
Produce and inspect shrink labels by sealing into tubes



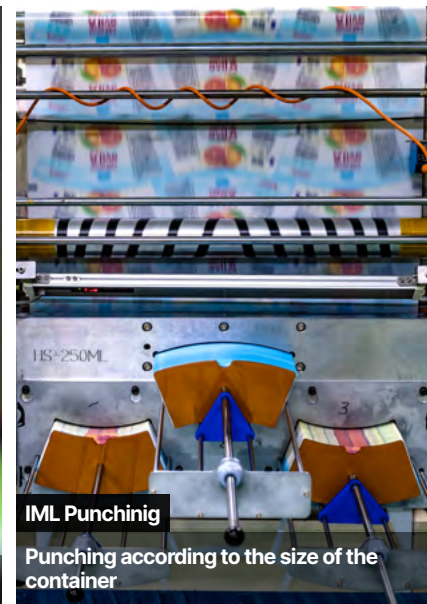
Pouch
Process laminated film into pouch shapes



Heat sealing
Heat is applied to PE to produce labels



Perforation
Applied on the film for easy tearing



IML Punching
Punching according to the size of the container

R&D Dept.

We are constantly conducting research and development activities to develop new technologies and products, improve manufacturing processes, and enhance quality control. It is our mission to continue to create customer value and secure world-class technologies.



R&D lab view



Tensile strength tester



Electronic microscope



GC tester



Retort tester



Heating tester



Lid Sealing tester

Equipment: GC, Tensile tester, Slip tester, Heating tester, Sealing stepper, Water base, Pouch pressure tester, Pouch vacuum leak tester, Pouch sterilization tester, Lidded cup sealer tester, Lidded pressure tester, Automatic palletizer, Hot air dryers, Retort tester



Uwrapco's Family



We always put our best efforts to set enjoyable and energetic working environments to maximize our potential and focus on growing our values. We will continue to provide service above self to achieve greater purpose for the whole community.



Partners



Namyang



Global Network



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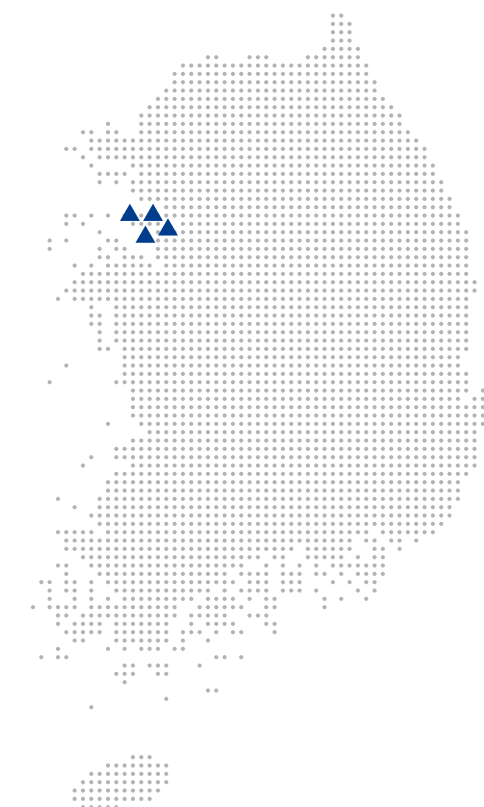
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