Converting Excellence
for Wound Care Products
Optima Life Science, with its brands Medicon and Doyen, is an expert in processing technologies that are used for manufacturing the most up-to-date wound dressings, transdermal therapeutic systems, oral film strips and diagnostic strips.

Open communication and flexible organizational structures are Optima’s watermark. The resulting synergies round off the extensive know-how of Optima Life Science – and secure the customers’ head start in the market.

The fine art of web converting

Manufacturing and packaging lines for applications in the medical, diagnostic, and pharmaceutical industries.
Post OP Dressings

Machine features: MEDICON MDC 300 - Basic

- Island dressings and borderless products
- Integrated 4 side seal pouch packing
- Standard machine platform with up to 60m/min. web speed and 350mm web width
- Balcony design for GMP compliance
- Fully integrated lines with stacking and cartoning
- Automatic splicing for high OEE

Accurate pad placing with inline position verification

Pad unwind  Automatic splicing  Pad cut & place  Outline cutting  Pouch sealing

Continuous motion island dressing converter with integrated 4 side seal pouching
Advanced Wound Care Dressings

Pad material unwinds  Multilayer pad converting  Pouch sealing  Product inspection and reject

Machine features: MEDICON MDC 300
- Single and multi layer wound pads
- Foam product manufacturing
- In-line coating of wound contact layers
- In-line product quality checks
Advanced Wound Care Dressings

Machine features: MEDICON MDC 300 - Advanced

- 90° web infeeds for minimum floorspace requirement
- Automatic splicing of 1, 2 and 3-layer materials
- Tool steel and tungsten carbide tools for max performance
- Waste extraction systems

Machine features: MEDICON MDC 300 - Vario

- Modular machine platform for quick change of process stations
- Fully modular PLC control system for simple process change via HMI
- Ideal platform for product development and start up production

Automatic splicing  90° web infeed  Dressing converting  Pouch sealing  Discharge to stacker
Advanced Wound Care Dressings

Machine features: MEDICON PLM 500
- Laminating, coating and perforating of foam materials
- Forming of foam pad edges
- Tension free material handling
- Radio frequency, ultrasonic, impulse and heat sealing operations
- Web width up to 600mm

Unwind with relaxation
Handling of different layers
Perforation
Lamination
Placing in transport containers
Pouch Sealing

Machine features: Doyen 4SS
- Rotary sealing with up to 60m/min
- Web width up to 400mm
- GMP-Balcony design for easy cleaning
- Separate speed control for hot and cold rollers
- Continuous seal or skip seal for chevron style pouches
- Adjustment of pouch length and width
- Additional requirements upon request

Machine features: MEDICON CPS
- Sealing time independent from web speed
- No rejects at start and stop
- Full control of sealing pressure and time
- High flexibility on seal shape
- Multi lane sealing possible
- Web width up to 350mm
- Quick format change with format parts
- Additional requirements upon request
Stacking and Cartoning

- Stacking and cartoning of products in continuous motion
- Gentle handling of pouches
- Vertical and horizontal stacking
- In-line stacking and cartoning, directly linked to converting line

OPAL
Optima Multi Line Management

- Fully integrated line control and data capturing
- 21 CFR Part 11 compliance
- User access management
- OEE calculation
- Central print data management
- Audit trails, batch reports
- Reject and fault monitoring
- Direct link to customer production control system

Product infeed from converter

Stacking wheel

Gentle stacking with integrated counting

Continuous motion cartoning to highest medical standards

Production overview

OEE report
More Information:
www.optima-lifescience.com

For further info please contact:
boelnordic
Tel. +45 70 20 40 73 | info@boelnordic.com | www.boelnordic.com

Comprehensive Solutions in Process Automation and Technology