



Blister Solutions





Delivering Solutions – Application Expertise

We are thoroughly familiar with your products and applications! Romaco specialises in engineering technologies for solid pharmaceutical dosage forms. Our concepts and system solutions are inspired by the rich experience and know-how of our 600-strong team of employees.

Creating Value – Enhanced Performance

Profit from Romaco's excellent value for money! We help you optimise your OEE balance systematically. With our efficient production and service management, we cut the running costs for your machines and increase your output in the long term.

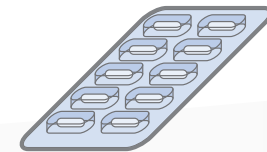
Exploiting Technologies – Product Diversity

Our product diversity knows no bounds! The modular concept behind Romaco machines and equipment is the key to your success. With seven product lines, we are in a position to respond promptly and flexibly to changing market requirements. Together we are stronger!



»One of the reasons we go back to Romaco time and time again is the service we receive and the relationship we have with them. They understand how we work as a contract packer and what kind of equipment suits our business.«

Andy Causer, Director of Sales, Wasdell Group



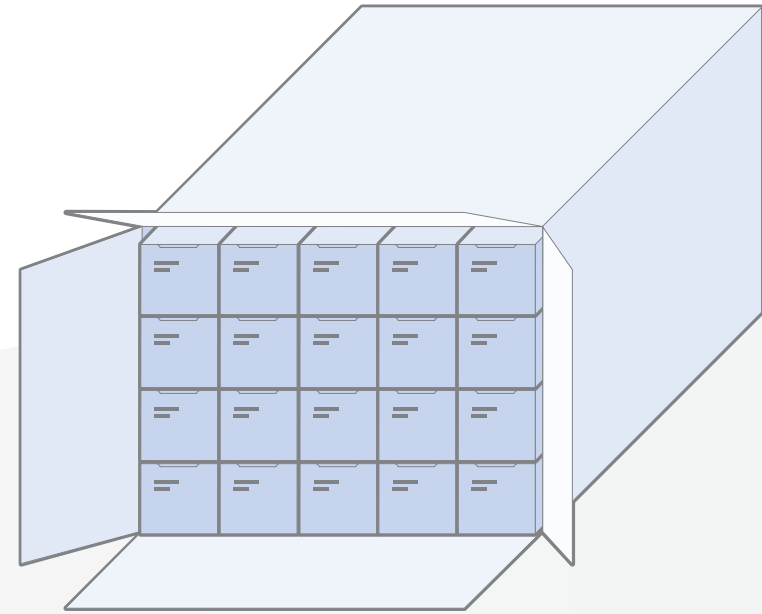
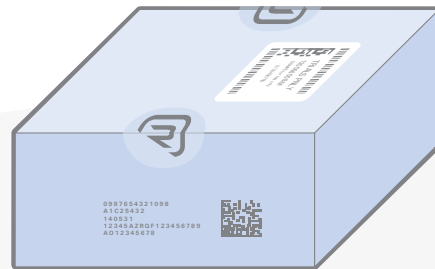
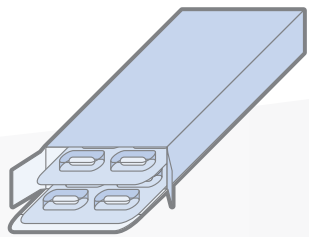
Delivering Solutions

Blister Solutions for the Future

Romaco is your specialist for solid pharmaceutical dosage forms. When your new blister line is configured, the focus is on the application. We get together with you to create blister and carton layouts that are optimally matched to your product. Our experts advise you regarding both the selection of the packaging and the design of the formats. Suitable feeding and transfer options can be supplied by us for any product.

Blister Packs

- Air and moisture-tight individual packs
- Suitable for tablets, caplets and soft or hard gelatine capsules
- Numerous blister layouts and cavity geometries
- Packaging for standard or bespoke products
- Any standard foil type can be used, e.g. PVC, PVDC, Aclar or aluminium



Secondary Packaging

- Intermittent or continuous motion cartoners
- Insertion of leaflets, booklets, trays or medical devices
- Glued or tuck-in closure
- Inkjet coded, colour embossed or laser engraved

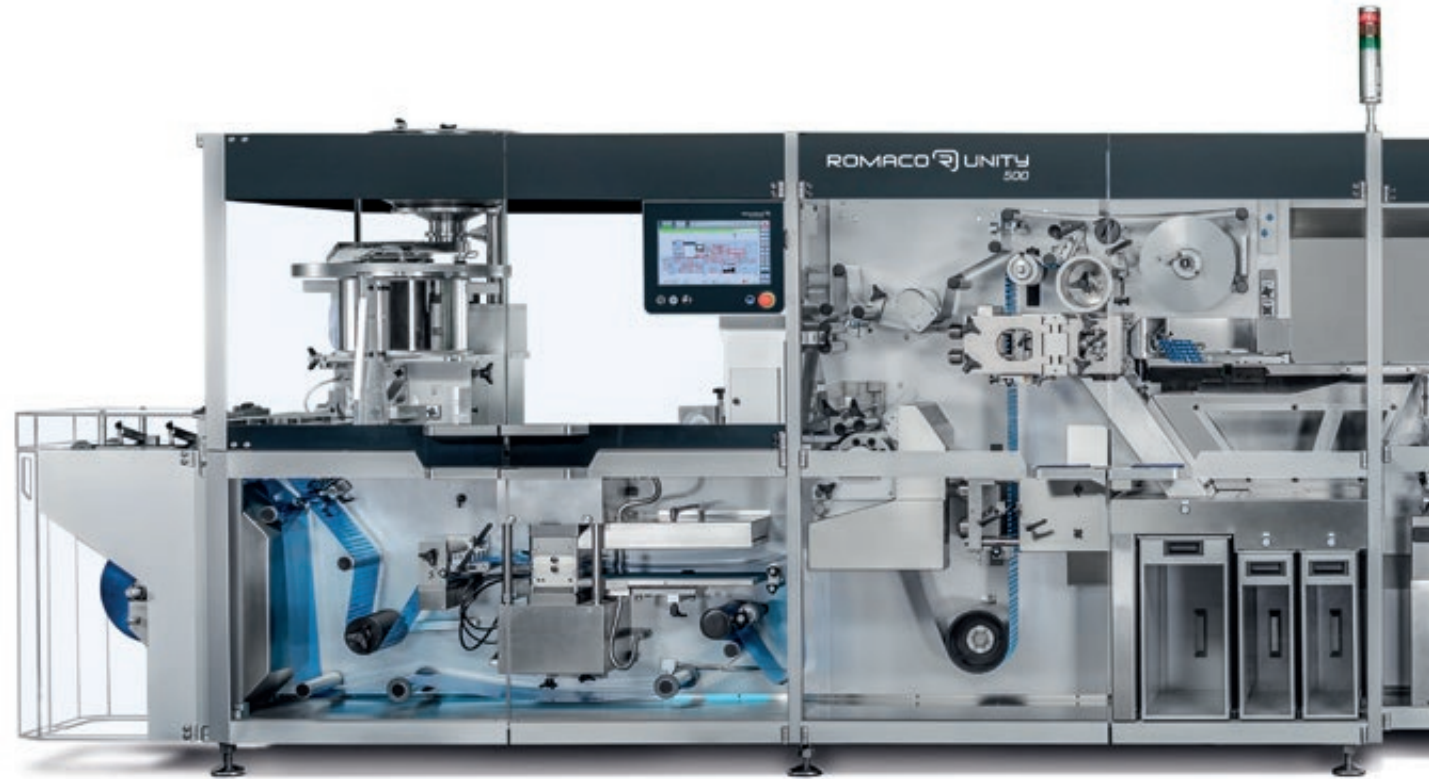
Identification of Cartons

- Seamless track & trace
- Tamper-evident identification with security labels and vignettes
- Printed with 2D Data Matrix or QR code
- Printed data read using OCR/OCV
- Suitable for connection to serialisation software

Final Packaging

- Shipping cases as final packaging
- Fully or semi-automatic machines
- Adhesive tape or hot melt closure
- Aggregation for serialised packaging



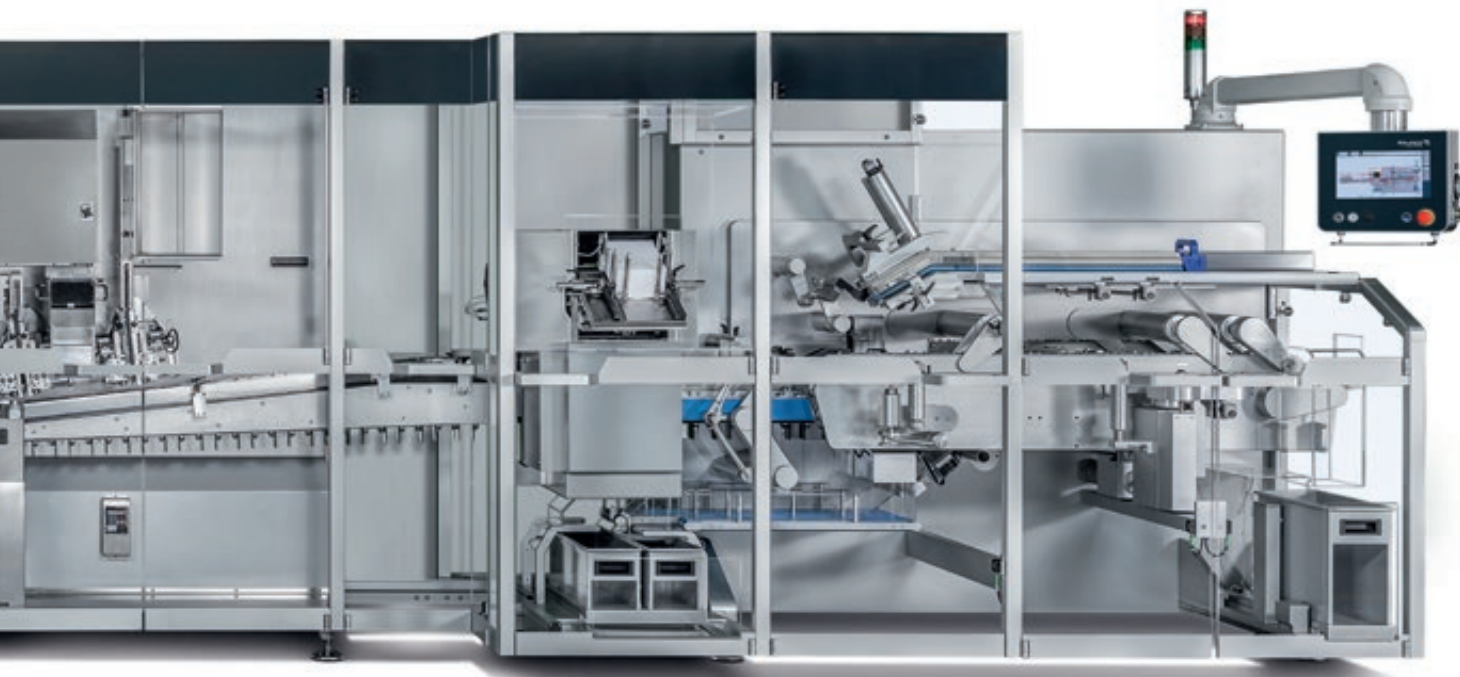


Delivering Solutions

Versatile Blister Solutions

Romaco Noack blister packaging lines impress with excellent OEE values: performance, quality and availability improve the overall effectiveness of the equipment. Our modular blister machines can be supplied with rotary or platen sealing and are suitable for very small to medium batch

sizes. Reliable processes and an advanced level of automation reduce product waste to a minimum. The net production time is shorter, even if the product is changed frequently. We help you lower your unit packaging costs steadily by delivering optimal value for money.



Fast Product Changes

- QuickFeed: interchangeable product feeding system means less downtime
- QuickAdjust: automatic station control system saves run-in time following a job change
- Complete format changes in under 30 minutes
- Fail-safe and plug & play functionality simplify retooling with format parts

Ergonomic Design

- GMP compliant balcony architecture
- Hygienic design with rounded corners and edges
- Optimal access to all components restricts cleaning to a minimum
- Systematic reduction in the weight and number of format parts
- Ergonomic HMI panel with intuitive visualisation and navigation

Line Integration

- Choice of transfer units
- Monobloc design concepts
- Blisters passed directly to the cartoner's bucket chain by means of a vacuum assisted overhead conveyor
- Servo-controlled de-stacking independent of specific blister formats
- Various identification systems for seamless track & trace

Automation

- Servo and auto controls ensure reproducible execution independent of the operator
- Low-wear operation reduces lifecycle costs to a minimum
- In-process control without stopping the machine
- Quick access to services via the HMI
- Audit trail enables full documentation of process data



Training

- Qualified training and seminars for machine operators and maintenance personnel
- GMP compliant training concepts with continuous performance reviews
- Training provided on the customer's site or at Romaco's
- OEE support: systematic optimisation of overall equipment effectiveness



Maintenance and Remote Assist

- Individual maintenance and Remote Assist contracts
- Remote Assist permits prompt and reliable diagnostics
- Real-time support thanks to customer service "at the push of a button"
- Virtual communication using smart glasses
- Telephone hotline in case of an emergency
- Team of service technicians on hand to carry out assignments worldwide



Retrofits and Upgrades

- General overhaul and modernisation projects help improve economic efficiency
- Individual solutions
- Active obsolescence management extends the service life
- Feature enhancements enable increased flexibility
- Plant relocation planning and execution



Installation and Commissioning

- Installation: project planning and execution
- Commissioning and initial briefing for operators
- Qualification support
- Ramp-up support with shortened start-up phase



Spare Parts

- Spare parts packages tailored to each individual machine
- All spare parts available for a minimum of ten years
- Durable original parts that fit exactly
- Short response and delivery times
- Decentralised warehousing ensures local availability



Original Parts

- Format sets compatible with all machines in the same series
- High-precision parts that fit exactly
- Format centre: each part is rigorously tested by Romaco before it leaves the factory
- Machine parameters and qualification documentation included in the scope of supply





Line Configurations

Choose from our portfolio!

Primary Packaging

Noack 900

Blister machine for medium to large batch sizes with rotary or platen sealing

 Up to 600 blisters/minute

Noack NBP 950

Blister machine for small to medium batch sizes with rotary sealing

 Up to 500 blisters/minute

Noack 623

Blister machine for small to medium batch sizes with platen sealing

 Up to 480 blisters/minute

Noack DPN 760

Blister machine for very small to small batch sizes with platen sealing

 Up to 200 blisters/minute

Transfer

Noack QuickTrans

Direct blister transfer

 Up to 600 blisters/minute

Noack BlisterTrans

Standard blister transfer

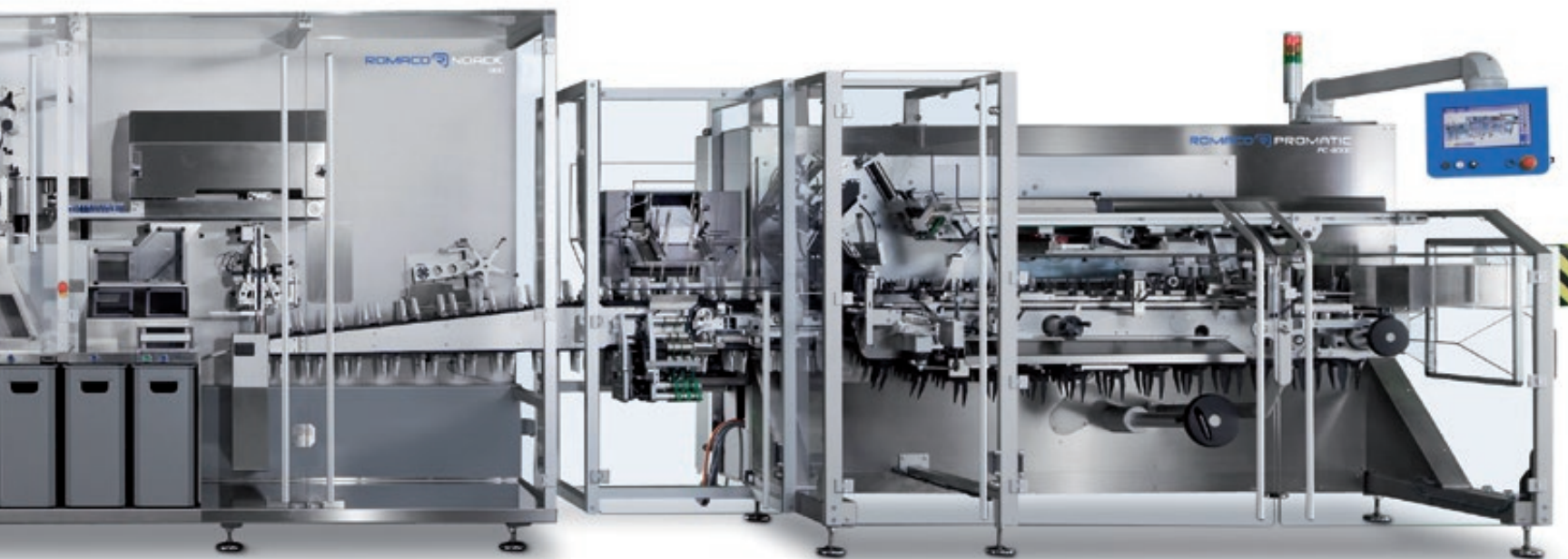
 Up to 400 blisters/minute

Monobloc

Romaco Unity 500

Blister line for small to medium batch sizes

 Up to 500 blisters/minute
 Up to 150 packs/minute



Secondary Packaging

Promatic PC 4000

Continuous motion cartoner

🕒 Up to 400 packs/minute

Promatic PCI 915

High-speed intermittent motion cartoner

🕒 Up to 150 packs/minute

Promatic P 91

Intermittent motion cartoner

🕒 Up to 130 packs/minute

Track & Trace

Promatic PTT

Labeller and track & trace system

🕒 Up to 400 packs/minute

Tertiary Packaging

Promatic PAK 320

Fully automatic case packer with track & trace

🕒 Up to 8 cartons/minute

Promatic PAK 130

Semi-automatic case packer with track & trace

🕒 Up to 5 cartons/minute

Promatic PAK 100

Semi-automatic case packer

🕒 Up to 5 packs/minute

Romaco Pharmatechnik GmbH

Am Heegwald 11
76227 Karlsruhe
Germany

P +49 (0)721 4804 0
F +49 (0)721 4804 211
E noack@romaco.com

www.romaco.com

 **INNOJET**
Herbert Hüttlin

 **KILIAN**

 **NOACK**

 **SIEBLER**

 **PROMATIC**

 **MACOFAR**

 **BOSSPAK**

