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!
Delivering Solutions

Leader in the Effervescent Tablets Sector

Tableting and packing of effervescent products are part of Romaco’s core competencies. We are thoroughly familiar with the complex processing steps for this sensitive dosage form, which is easily affected by light, air and moisture. Owing to their porous structure, effervescent tablets moreover tend to be friable and break. No problem for our machines: thanks to Romaco’s technologies, your products are compressed and packed quickly and reliably.

Production of Effervescent Tablets

- Freely scalable solutions for the pharmaceutical, food and chemical industries
- Safe processing of hygroscopic powders
- Suitable for tablets with a smooth, polished surface
- Reduction of lubricants provides optimal hardness
- Tablets dissolved without a grease film

»For many years now, we’ve trusted in solutions by Romaco Siebler, the industry’s technology leader, to pack our effervescent tablets in strips and rigid tubes.«

Helmut Jakolat, Production Technology Manager, HERMES ARZNEIMITTEL GmbH, Germany
**Packaging in Rigid Tubes**
- Ideal for filling into plastic or aluminium tubes
- Tubes in numerous shapes and sizes
- Reliable processing even of very short tubes ≥50 mm
- Many different closures, stoppers and caps can be applied
- Inkjet printing

**Packaging in Sealed Strips**
- Unit dose packaging of effervescent tablets
- Air, light and moisture-tight strip packaging
- Soft compound aluminium foil material
- Aluminium foil thickness reduced to ≤ 10 µm
- Strip formats and geometries can be varied
- Print mark registration possible for both foil rolls

**Secondary Packaging**
- Folding cartons as secondary packaging
- Intermittent or continuous motion cartoners
- Insertion of leaflets or medical devices
- Glued or tuck-in closure
- Tamper-evident features

**Final Packaging**
- Shipping cases as final packaging
- Fully or semi-automatic machines
- Adhesive tape or hot melt closure
- Aggregation for serialised packaging
Turnkey Solutions for Effervescent Products

Integrated line concepts for manufacturing and packing effervescent products are our speciality. Romaco’s all-in-one solutions combine four process steps: tableting as well as primary, secondary and tertiary packaging. Various transfer systems round off the portfolio. Do you pack your effervescent tablets in heat-sealed strips or would you rather fill them into rigid tubes?

Our technologies let you choose! Romaco’s effervescent lines are individually configured according to the application – your wish is our command! Our modular concepts can also be realised in a very small footprint because a linear arrangement of the components is not essential. A perfect solution exists no matter how little space is available – that’s the Romaco maxim.
<table>
<thead>
<tr>
<th>Tableting Included</th>
<th>Filling Into Tubes</th>
<th>Packing in Strips</th>
<th>Innovative Transfer Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presses specially designed for manufacturing fragile effervescent tablets</td>
<td>Tube fillers with only a small number of compact format parts</td>
<td>Compact heat-sealing machines with GMP compliant balcony architecture</td>
<td>Tablet transfer belt with integral sampling, breakage elimination and metal check unit</td>
</tr>
<tr>
<td>Extended dwell time means less risk of capping</td>
<td>Effervescent tablets filled gently according to the rotation principle</td>
<td>Reproducible sealing parameters: pressure, temperature and time</td>
<td>Rotary table with a protective enclosure which can be opened right up</td>
</tr>
<tr>
<td>Homogeneous compression</td>
<td>Safe handling of very small, thin and soft tablets with a hardness down to 40 N</td>
<td>Precise temperature distribution on the sealing surfaces</td>
<td>Robotic transfer of the strips facilitates frequent changeovers</td>
</tr>
<tr>
<td>External lubrication with magnesium stearate</td>
<td>Suitable for any tube length of 50 mm or more</td>
<td>Bespoke sealing patterns</td>
<td>Servo-driven, multiple-lane transfer of the strips with stacking station</td>
</tr>
<tr>
<td>Broken tablets and product waste reduced to a minimum</td>
<td>Reproducible processes because parameters are precisely defined</td>
<td>Heat-seal system with quick-change format parts</td>
<td>Tube discharge with controlled pick &amp; place removal</td>
</tr>
<tr>
<td>Optimised tablet chute ensures controlled discharge</td>
<td>Quick and easy to clean</td>
<td>Proven cutting and perforation technology</td>
<td>Retooling and cleaning times reduced to a minimum</td>
</tr>
</tbody>
</table>
Customer Service

**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

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

**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

**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!

**Tableting**
- **Kilian KTP 720X**
  - Double-sided rotary press for effervescent, mono and bi-layer tablets
  - Up to 1,020,000 tablets/hour
- **Kilian KTP 590X**
  - Single-sided rotary press for effervescent, mono and bi-layer tablets
  - Up to 510,000 tablets/hour
- **Kilian KTP 420X**
  - Single-sided rotary press for effervescent and mono-layer tablets
  - Up to 360,000 tablets/hour

**Transfer**
- **Romaco TabTrans**
  - Transfer belt with integral sampling, breakage elimination and metal check unit
  - Rotary table

**Primary Packaging**
- **Siebler HM 1E**
  - Strip packaging machines for effervescent tablets
  - Up to 3,300 tablets/hour
- **Siebler STF 120**
  - Tube filling machine
  - Up to 120 tubes/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

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 cartons/minute

Transfer
- **Siebler FlexTrans**
  - Robotic transfer station for strip packaging
  - Up to 900 packs/minute
- **Siebler FixTrans**
  - Servo-driven strip stacking and transfer station
  - Up to 1,040 packs/minute

Track & Trace
- **Promatic PTT**
  - Labeller and track & trace system
  - Up to 400 packs/minute