

# Press Release

Karlsruhe/Germany, 2022-07-19

## Romaco at AACHEMA 2022

### **Sustainable processing, tableting and packaging technologies all from one source**

**The one stop solutions supplier Romaco will take advantage of Achema 2022 to show sustainable processing, tableting and packaging technologies for use in the pharmaceutical, nutraceutical, food, cosmetics and chemical industries. The highlight at the upcoming exhibition will be the new Macofar E aseptic liquid filling line, which trade visitors will have a chance to see there for the first time.**

Under the motto “Together towards a sustainable future”, one stop solutions supplier Romaco will demonstrate its various approaches for more sustainable production and to reduce carbon dioxide emissions: Amongst other things, the innovative process control achieved with these technologies means significantly shorter processing times, so that energy and material can be economised in a targeted manner. Space-saving design results in machines and lines with a lower carbon footprint. And thanks to safe processing of eco-friendly packaging materials, for instance for the production of paper blisters, the packaging process as a whole can be made more sustainable. In addition, all of the manufacturer’s machines can be supplied in a carbon-neutral version and be equipped with an energy monitor for sustainability reporting.

At the trade fair, Romaco will be presenting a large selection from its portfolio, including the VENTILUS® Pilot fluid bed processor by Romaco Innojet, the KTP 1X and KTP 590X tablet presses by Romaco Kilian and the TP R Optima coating pan by Romaco Tecpharm. Romaco Noack’s Unity 300 blister packaging line and the new Macofar E aseptic liquid filling line will likewise be exhibited – impressive confirmation of the engineering specialist’s line competence.

### **Macofar E – Romaco’s newest aseptic liquid filling line**

The Macofar E series is Romaco’s cost-efficient turnkey solution for aseptic filling of injectables into vials. The integrated lines each consist of a rotary washer, a depyrogenation tunnel, a liquid filling and stoppering machine plus a final capping machine. Romaco Promatic cartoners can also be seamlessly connected downstream if required. The ability to choose from various standard configurations cuts the delivery time from order receipt to ten months at most. The technology meets all the requirements of the revised Annex 1 of the EU GMP Guidelines on the manufacture of sterile medicinal products. All in all, the Macofar E achieves a maximum output of 24,000 vials per hour. Depending on customer needs, the line can be equipped with oRABS, cRABS or isolation technology. The filling machine’s weighing system moreover ensures one hundred percent weight control of the vials, including automatic adjustment of the filling volume. Thanks to an inertisation system, the residual oxygen particles in the vials amount to less than three percent, which attests to a high level of process safety during filling with either peristaltic or volumetric pumps. To minimise product loss, each batch is fully processed, for instance by completely draining the liquid tank and piping. The Macofar E aseptic liquid filling line can optionally be shipped with an energy monitor that measures the machine’s energy consumption and detects carbon dioxide emissions to facilitate sustainability reporting.

### **Unity 300 blister packaging line from Romaco Noack**

The integrated Unity 300 blister packaging line from Romaco Noack is designed for the low to medium speed segment and meets all the requirements for more climate-friendly pharmaceutical production. For the first time, a sustainability monitor with smart standby functions has been implemented to oversee the power and air consumption of the single-track blister line and reduce the base load of the machine without any negative impact on overall equipment effectiveness (OEE). At less than eight metres long, the monobloc is comparatively short, so that carbon dioxide emissions are much lower, especially in the cleanroom for the primary packaging. The space-saving design is due, amongst other things, to a swing-out IPC magazine, which ensures convenient access to the die-cutter behind it in case of format changes. And there is also the option of repositioning the forming foil reel inside the machine. An extremely compact, energy efficient indexing wheel transfers the blisters from the rotary sealing machine to the continuous motion carterer. All in all, the Unity 300 achieves a maximum output of 300 blisters and,

depending on the cartoner, either 200 or 300 cartons per minute. The blister line is fitted with one hundred percent recycled acrylic glass panes and is additionally available in a carbon-neutral version on request. Romaco Noack's quality promise for the Unity 300 is underlined with a three-year warranty on all spare parts, and the manufacturer also guarantees to take back the machine free of charge at the end of its service life in the interests of a circular economy.

### **TP R Optima tablet coater from Romaco Tecpharm**

The TP R Optima perforated coating pan from Romaco Tecpharm genuinely processes any batch size from 10 to 100 percent with one and the same drum and achieves optimum coating results, no matter how small the filling volume. Its wide range of applications is the outcome of the full automation of the tablet coater with its GMP-compliant in-wall design. An extendable spray arm with movable spray nozzles ensures not only the correct spray distance but also the ideal spray angle. Both the batch volume and the tablet bed inclination, which varies according to the turning speed of the pan drum, are measured continuously using sonar technology. The patented spray system is thus capable of aligning the nozzle distance and angle automatically throughout the entire process. Furthermore, air exhaust flaps that can be opened steplessly allow exact adjustment of the air path inside the drum. This precise flow control provides loss-free application of the coating suspension and efficient drying of the tablet bed. Apart from shorter processing times, this simultaneously reduces energy consumption and cuts coating liquid usage by up to 60 percent. In short, the TP R Optima supports sustainable production of pharmaceuticals and nutraceuticals. Last but not least, Romaco Tecpharm's smart coating technology includes a system for detecting and accurately identifying blocked spray nozzles.

### **KTP 1X R&D tablet press from Romaco Kilian**

The KTP 1X is the newest generation of Romaco Kilian's R&D tablet presses for laboratory use. This single-stroke press was designed as an all-in-one instrument for research and development activities. It is suitable for pressing mono-layer, bi-layer and triple-layer tablets as well as tab-in-tab formats. It achieves a maximum output of 1800 tablets per hour and compression forces of up to 80 kN. This versatile R&D press enables the various tableting parameters, such as compression force or the possible tableting speed, to be determined automatically. The smart measurement system evaluates huge amounts of data in next to no time for this purpose. The KTP 1X is moreover capable of replicating any standard

rotary press, making it much easier to conduct scale-up trials. In addition to the production of clinical samples, the technology also allows detailed troubleshooting and hence supports process optimisation. Thanks to the machine's very good rigidity, the punch position in particular can now be measured more precisely. This high measuring accuracy goes hand in hand with extremely low product consumption – so that the KTP 1X is not only cost-efficient but also sustainable. Only a few test series are required to obtain meaningful results because compression studies are highly automated. With its very small compaction area, Romaco Kilian's KTP 1X has a small footprint and is quick and easy to clean – for even bigger time and energy savings.

### **KTP 590X single-sided rotary press from Romaco Kilian**

The KTP 590X is a single-sided, versatile rotary press which is used to manufacture both mono-layer and bi-layer tablet formats. Three pairs of compression rollers allow the machine to be changed over between mono-layer and bi-layer mode without time-consuming conversion of the compression stations. The single-sided rotary press reaches a maximum total output of 511,200 tablets per hour. The fill shoe distributes the powder absolutely uniformly in the die. Thanks to the optimised paddle design, even poorly flowing or sticky powders can be processed without any problem and compressed homogeneously. The Kilian KTP 590X is therefore ideal for manufacturing effervescent tablets. In this case, the powder is simply tamped initially, then pre-compressed and finally converted into finished tablets in the main compression unit – air pockets and the resulting capping are thus prevented. The dwell time is significantly longer owing to the use of Kilian 28/41 tooling, meaning harder tablets can be made and product quality improved. Patented bellows moreover protect the tablets from contamination in the form of black spots. The KTP 590X stands for low process temperatures, efficient cleaning and retooling and a mature hygiene concept – in conformity with the design principles of Romaco Kilian's KTP product family: "Cool, Fast & Clean".

### **VENTILUS® Lab fluid bed processor from Romaco Innojet**

Designed for laboratory-scale applications, the VENTILUS® Lab fluid bed processor from Romaco Innojet is used for granulating, drying and coating particle sizes from 10 µm to 2 mm. This multipurpose lab unit produces batches from 0.7 to 7.0 litres in size. Due to the enhanced processing efficiency inside the cylindrical product container, the VENTILUS® Lab allows up to 25 percent shorter batch processing times and hence much lower power consumption. The process air is

introduced through the ORBITER® booster plate, which ensures homogeneous flow conditions and extremely gentle intermixing of the materials. In combination with the ROTOJET®, the central bottom spray nozzle, the ORBITER® booster forms an unique functional unit enabling simple scale-up. Thanks to the innovative fluid bed components invented by Dr. h. c. Herbert Hüttlin, the product movement inside the process container can be accurately controlled. The spray liquid is consequently applied very precisely, so that formulations achieving the modified release profile are possible using 10 to 15 percent less material. The targeted reduction in spray liquid and power consumption means the VENTILUS® Lab also results in substantially fewer carbon dioxide emissions from fluid bed processes. Furthermore, the rotating SEPAJET® filter system minimises product loss by preventing any particles retained by the filter from being discharged from the process.

**On show at Achema in Frankfurt/Main (Germany) from 22 to 26 August 2022 (Messe Frankfurt, Hall 3.0, Stand B49).**

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**The following pictures are enclosed with the press release:**

1. Macofar E – Romaco's newest aseptic liquid filling line  
Macofar-E\_Romaco.jpg



2. Unity 300 blister packaging line from Romaco Noack  
Unity-300\_Noack\_Romaco.jpg



3. TP R Optima tablet coater from Romaco Tecpharm  
Optima\_Tecpharm\_Romaco.jpg



4. KTP 1X R&D tablet press from Romaco Kilian

KTP-1X\_Kilian\_Romaco.jpg



5. KTP 590X single-sided rotary press from Romaco Kilian

KTP-590X\_Kilian\_Romaco.jpg



6. VENTILUS® Lab fluid bed processor from Romaco Innojet

Ventilus-Lab\_V-5\_Innojet\_Romaco.jpg



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# Press Release

Karlsruhe/Germany, 2022-08-09

## Change at the top in sales

### **Jens Torkel appointed new Vice President Sales & Customer Service of Romaco Group**

**Jens Torkel has been appointed Romaco's new Vice President Sales & Customer Service. He succeeds Pietro Tomasi, who will retire at the end of October. From September 2022, Torkel will be responsible for the Romaco Group's international sales and service organisation.**

Romaco Holding GmbH appointed Jens Torkel as the new Vice President Sales & Customer Service. In this position, he will be responsible for managing the international sales and service activities of the Romaco Group from September 2022. Torkel succeeds Pietro Tomasi, who will be leaving the company and retiring at the end of October. The management of the Romaco Group would like to thank Mr. Tomasi for his crucial contribution to the expansion of the international sales organisation and for his personal commitment in the acquisition of the Spanish manufacturer STE Tecpharm, S. L.

“Jens Torkel will consistently pursue the reorganisation of the global sales structure initiated by Pietro Tomasi. We're well on track here and I consider Mr. Torkel to be the ideal person to strengthen our market position sustainably as one of the world's leading manufacturers of pharmaceutical machinery and to generate further growth. Jens Torkel will enhance our sales performance in the long run, not least due to his formidable leadership qualities and his experience and competence dealing with international customers”, says Jörg Pieper, CEO Romaco Group.

Prior to joining the Romaco Group, Torkel was Chief Executive Officer of Rovema GmbH. In the course of his professional career spanning more than 30 years, he has held numerous top management positions with suppliers to the pharmaceutical industry. Amongst other appointments, he spent many years as Managing Director of IMA Kilian GmbH & Co. KG, IWK Verpackungstechnik GmbH and Bobst



Bielefeld GmbH. Jens Torkel is a native of Schwarzenbek in northern Germany and has a BA in industrial engineering from Schleswig-Holstein Business Academy.

“I’m very much looking forward to my new role at the helm of the Romaco Group’s sales organisation and I’d like to thank the management for their confidence in my ability to fulfil it effectively”, explains Jens Torkel, Vice President Sales & Customer Service, Romaco Group. “My extensive management experience and my profound knowledge of the processing and packaging technology industries will benefit me at Romaco. As I see it, one of my most important tasks in sales will be to successfully derive strategies from the latest market trends and implement them profitably in the long term. I’ll have to keep an eye on the entire value chain at all times, and in particular on the sustainability of our products and processes – which for me is the key to business success and optimal customer satisfaction.”

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coating fine solid particles. Tecpharm (Barcelona, Spain) offers tablet coating technologies.

More than 850 highly skilled and committed Romaco employees are dedicated to the development of future product technologies and to the continuous implementation of internal improvement processes. The Romaco Group's multi-brand system solutions are sold worldwide through eight Sales & Service Centres and a dense network of local agent organisations. Over 12,000 installations delivered by Romaco are currently in use in more than 180 different countries.

**The following picture is enclosed with the press release:**

1. Jens Torkel, Vice President Sales & Customer Service, Romaco Group  
Torkel\_VP-Sales-Service\_Romaco.jpg



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# Press Release

Karlsruhe/Germany, 2022-03-29

## **New liquid filling machine for sterile ophthalmic products Oftalmica by Romaco Macofar**

**Romaco Macofar's Oftalmica was specially developed for aseptic filling of sterile eye drops, nasal sprays and injectables. Meeting all GMP requirements for safe processing of highly viscous, oily and foaming liquids, the machine additionally offers fast format changes and short cleaning times.**

The Oftalmica is Romaco Macofar's latest technology for aseptic filling of sterile eye drops. This newly launched liquid filling machine is the pharmaceutical machinery manufacturer's answer to the growing demand for ophthalmic products with no added preservatives. Much stricter GMP regulations apply when these modern pharmaceutical formulations have to be filled under sterile conditions, and the Oftalmica fulfils them all – especially where the sterility assurance level is concerned. The machine is therefore fitted with an oRABS barrier system (either passive or active) and can also be supplied with integrated laminar flow technology if required. The Oftalmica is moreover prepared for bio-decontamination with vaporised hydrogen peroxide (VHP). Glove ports provide full access to all critical components without having to open the doors of the liquid filling machine, meaning the permissible SAL values for cleanroom class A are reliably maintained inside the machine. This facilitates process validation and production can be resumed more quickly.

### **Easy handling of highly viscous, oily and foaming liquids**

The Oftalmica is used to fill all kinds of liquids, including highly viscous, oily or foaming fluids. The machine can be equipped for this purpose with up to eight separately driven rotary piston pumps made of ceramic or stainless steel, which can be individually controlled on the HMI. The Oftalmica's dosing station also enables a two-phase filling process to achieve a constant, high filling capacity while at the same time reducing the load on the pumps. This approach is especially recommended for products with poor flow properties. In addition, filling in two steps

has proved successful for bottles with very small necks, because ultra-fine filling needles with a correspondingly lower flow rate are used here. The same applies when filling foaming products whose flow rate is limited solely by their physical properties. Thanks to the two-phase filling technology, the Oftalmica by Romaco Macofar has a maximum output of up to 12,000 bottles per hour – regardless of the specifications of the liquids being filled or the dimensions of the containers. If required, the Oftalmica can also be supplied with peristaltic pumps.

### **Ideal for many different products, containers and closures**

The Oftalmica processes a vast range of plastic and glass bottles with a filling volume of between 1 and 30 ml and can be used to apply any standard closure system. Depending on the type of closure, the machine can be configured with up to three closing stations. The lightweight plastic bottles are held on the belt by vacuum as they travel through the machine, which leads to optimal process stability. For filling, the bottles are transported to the dosing station in clusters by a walking beam transfer system. Two weighing systems ensure one hundred percent weight control both before and after filling. The empty and full bottles can be inerted on request for oxygen-sensitive products. As an option, the Oftalmica can also be utilised to fill nasal sprays or sterile injectables.

### **Fast product changes, short cleaning times**

Overall, the Oftalmica offers numerous advantages whenever frequent product changes are common. To reduce the time for retooling, the formats were designed for a wide range of container sizes. All parts additionally support plug & play removal and installation in a few simple steps. What's more these handy format parts can be autoclaved, which makes them easy to clean. On request, the dosing pumps too can be cleaned fully automatically using a CIP (cleaning in place) or SIP (sterilisation in place) system. GMP-compliant, easy to operate and high performing – these are the hallmarks of the new Oftalmica liquid filling machine by Romaco Macofar.

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**The following pictures are enclosed with the press release:**

1. The Oftalmica aseptic liquid filling machine by Romaco Macofar  
Oftalmica\_Macofar\_Romaco.jpg



2. The Oftalmica by Romaco Macofar is ideal for aseptic filling of sterile eye drops, nasal sprays and injectables.

Ophthalmica\_Macofar\_Romaco\_applications.jpg



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# Press Release

Karlsruhe/Germany, 2022-08-11

## Unity 300 from Romaco Noack Sustainability all along the line

**Romaco Noack's compact Unity 300 blister packaging line meets all the requirements for sustainable pharmaceutical production. Numerous design features ensure energy efficient packaging processes and reduce the carbon footprint left by users of this innovative technology.**

Romaco Noack will take advantage of this year's Achema to show its latest climate-neutral blister packaging line for use in the pharmaceutical industry. The Unity 300 is specially designed for the low to medium speed segment and was developed strictly according to the principle "avoidance is better than reduction is better than compensation". Romaco sees this technology as an enabler for more sustainable production on the part of its customers. That is why, for the first time, the single-track blister line has been equipped with an intelligent sustainability monitor that keeps a continuous watch on the machine's power and air consumption. Smart standby functions allow a significant reduction in the line's base load during downtimes without any negative effects on OEE (overall equipment effectiveness).

### **Energy efficient system design**

At less than eight metres long, the Unity 300 has an exceptionally space-saving layout and a correspondingly lower carbon footprint. This is particularly true of the cleanroom for the primary packaging unit, where carbon dioxide emissions can be reduced in a targeted way by minimising the space needed. Amongst other things, the blister line's compact design is due to the swing-out IPC magazine, which ensures convenient access to the punch behind it. As another example, the forming foil reel can be optionally repositioned inside the machine. The monobloc achieves a maximum output of 300 blisters and, depending on the cartoner, either 200 or 300 cartons per minute. With its wide format range, the Unity 300 is suited for all kinds of applications, which is a key requirement in the contract packaging sector.

The integrated blister transfer from the rotary sealing machine to the continuous motion cartoner is effected by an energy efficient indexing wheel, which removes the punched blisters vertically and feeds them directly to the cartoner. The suction cups of the carousel-shaped shuttle are only ever active while blisters are being transferred. Furthermore, the use of a machine housing made from 100% recycled Plexiglas impacts positively on the carbon footprint of the blister line. The Unity 300 is additionally available in a carbon-neutral version on request. All in all, 68 tons of carbon equivalents are emitted during the production of the line, and these can be offset by purchasing a Gold Standard climate certificate.

Romaco's claim of above-average quality for the Unity 300 blister packaging line is underlined with a 3-year warranty on all spare parts. The manufacturer also guarantees to take back the machine free of charge at the end of its life in the interests of a circular economy.

**On show at Achema in Frankfurt/Main (Germany) from 22 to 26 August 2022 (Messe Frankfurt, Hall 3.0, Stand B49).**

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1. Romaco Noack's Unity 300 blister packaging line for the low to medium speed segment

Unity-300\_Noack\_Romaco.jpg



2. Romaco – a sustainability enabler

Sustainability-Enabler\_Romaco.jpg



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# Press Release

Karlsruhe/Germany, 2021-07-06

**TP R Optima tablet coater from Romaco Tecpharm**

## **Automatic adjustment of batch sizes from 10 to 100%**

**With its remarkable batch size range from 10 to 100%, the TP R Optima perforated coating pan from Romaco Tecpharm covers an enormous range of applications. This extraordinary flexibility is achieved thanks to a very high level of automation. An intelligent spray arm and individually controllable air exhaust flaps ensure premium product quality coupled with shorter processing times. This is just as true for 10 as it is for 100%.**

The TP R Optima perforated coating pan from Romaco Tecpharm coats tablets in totally variable batch sizes from 10 to 100%. All processes can be automatically adjusted without having to open the machine and intervene manually. In order to switch from pilot to production scale, it is sufficient to call up the relevant parameters on the HMI and start the process. Thanks to this highly automated technology, there is no need for the operator to be continuously present while working in batch mode.

### **Intelligent spray arm with movable nozzles**

The TP R Optima tablet coater's very wide range of applications is a result of its innovative design with an extendable spray arm and movable spray nozzles. This patented system has a large radius owing to its three-point extension mechanism, so that the ideal spray distance – and hence very high product quality – is maintained no matter how small the batch size. The application of the spray liquid is automatically controlled and monitored with the help of sonar measuring equipment. The sonar's acoustic wave sensors measure not only the batch volume but also the tablet bed inclination, which varies according to the turning speed of the drum. In addition to adjusting the spray distance based on this data, the intelligent system aligns the spray nozzles exactly, so that the tablets are coated at the correct distance and angle throughout the entire process.

### **Flow conditions flexibly controlled**

Besides the spray distance and angle, the flow conditions in the drum are decisive for optimum coating results. The TP R Optima coater was therefore designed with automatically controllable air exhaust flaps that can be opened continuously and are mounted at various heights. As a result, the path taken through the tablet bed by the air flow and spray liquid can be regulated absolutely precisely, regardless of the batch size. The controlled exhaust air flow ensures loss-free application of the suspension, in other words the coating does not simply run over the product before being discharged again unused. The precision with which the flow conditions and the vacuum are controlled inside the drum makes for a very efficient spraying and drying process. Apart from shorter processing times, this simultaneously reduces coating liquid consumption by up to 60%. This significant time and material saving equates to lower manufacturing costs and a more sustainable production process.

### **High process control**

The TP R Optima tablet coater provides another important instrument for process control, namely automatic detection of clogged spray nozzles. Especially when processing highly viscous coating media, there is a risk of nozzle blockage. If such blockages occur, the system immediately identifies the nozzle in question and attempts to restore the flow with overpressure. An alarm is tripped if this fails. The user can specify in advance in the system whether the process should continue or be stopped directly in such a case (which usually depends on the product). Besides, the sampling that is required at regular intervals likewise takes place fully automatically without needing to open the drum in order to remove the tablets.

### **Pharmaceutical-grade GMP design**

The in-wall design of the TP R Optima perforated coating pan moreover allows strict separation between the product-contacted parts and the technical components. Servicing work can thus be carried out on the machine without entering the cleanroom. The tablet coater additionally meets all the requirements for GMP-compliant cleaning with WIP (washing in place). All product-contacted surfaces are readily accessible and visible for this purpose. The avoidance of dead spaces where product could accumulate was a top priority, particularly where the intelligent spray arm was concerned.

The TP R Optima perforated coating pan from Romaco Tecpharm is available in seven series, all of which offer a batch size range from 10 to 100%. Users profit from this high flexibility, which enables any kind of batch from validation to industrial to be manufactured on a single machine.

**The TP R Optima perforated coating pan can be seen at the Romaco Tecpharm facility in Barcelona/Spain or via a live stream.**

**For more information on Romaco, visit our website and social media channels: [www.romaco.com](http://www.romaco.com) – [Showroom](#) – [LinkedIn](#) – [YouTube](#)**

## **Romaco Group**

Romaco is a leading international supplier of processing and packaging equipment specialising in engineering technologies for pharmaceutical products. The Group provides individual machines, lines and turnkey solutions for manufacturing, filling and packing powders, granulates, pellets, tablets, capsules, syringes, liquids and medical devices. The company also serves the food and chemical industries. Through its various technologies, Romaco is committed to sustainable production and to systematically reducing CO<sub>2</sub> emissions.

The Romaco Group has its headquarters in Karlsruhe (Germany) and is part of the Truking Group, a globally operating high-tech enterprise based in Changsha (China). Truking's core competency is handling and filling pharmaceutical liquids.

Romaco operates from five European business sites, with a broad portfolio comprised of seven established product brands. Noack and Siebler (Karlsruhe, Germany) supply blister, heat-sealing and rigid tube filling machines. Macofar (Bologna, Italy) markets technologies for filling sterile and non-sterile powders and liquids. Promatic (also Bologna, Italy) specializes in cartoners, track & trace systems and case packers. Kilian (Cologne, Germany) is a leading manufacturer of tablet presses. Innojet (Steinen, Germany) is in the business of granulating and coating fine solid particles. Tecpharm (Barcelona, Spain) offers tablet coating technologies.

More than 850 highly skilled and committed Romaco employees are dedicated to the development of future product technologies and to the continuous implementation of internal improvement processes. The Romaco Group's multi-brand system solutions are sold worldwide through eight Sales & Service Centres

and a dense network of local agent organisations. Over 12,000 installations delivered by Romaco are currently in use in more than 180 different countries.

**The following pictures are enclosed with the press release:**

1. TP R Optima perforated coating pan from Romaco Tecpharm  
Optima-Coater\_Tecpharm\_Romaco.jpg



2. Romaco – a sustainability enabler  
Sustainability-Enabler\_Romaco.jpg



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# Press Release

Karlsruhe/Germany, 2021-12-14

## Official opening of the new Romaco S.r.l. premises in Italy Open House at Romaco Bologna

**The new Romaco S.r.l. production facility in Bologna was officially opened in mid-November with a five-day open house. More than 200 guests visited the in-house exhibition in the modern new building, where they got a glimpse of all Romaco brands' newest technologies.**

A five-day open house was held in mid-November to celebrate the recent move by Romaco S.r.l., the Romaco Group's Italian subsidiary, into a modern new building in Bologna Pianoro. More than 200 current and prospective customers from Europe, Russia and the US accepted the invitation to Italy to learn more about the single-source supplier's newest technologies first-hand. All in all, 15 machines and lines built by Romaco and its partners Omas Tecnosistemi S.p.A., Omag S.r.l. and Farmo Res S.r.l. were on show at the in-house exhibition in the new assembly workshop. During numerous presentations and live demonstrations, visitors gained some good insights into the comprehensive portfolio of the pharmaceutical machinery manufacturer – from fluid bed processors by Innojet, tablet presses by Kilian and perforated coating pans by Tecpharm through aseptic powder and liquid filling technologies by Macofar as well as blister and strip packaging lines by Noack and Siebler to cartoners and final packaging solutions by Promatic.

The undoubted highlight to wind up this one-week event was a series of presentations by various high-profile keynote speakers from the international pharmaceutical industry – including Jörg Zimmermann, Chair to the International Board of Directors of the ISPE (International Society for Pharmaceutical Engineering), who gave a run-down of the most recent revision of the EU GMP Guidelines Annex 1 on the manufacture of sterile medicinal products. Deniz Alkanat, Factory Director at the Turkish firm of World Medicine, spoke about practices for filling ophthalmic products, while C. K. Sundhar, Chief Operating Officer of India-based Steriscience Specialties, discussed dosing of sterile powders. The series of speeches was rounded off with a talk on the future and

sustainability by Dr. Dipak Raj Pant, founder of Italy's first research team for sustainable economy. In addition to this wide-ranging theoretical and practical programme, there was also time for an informal chat at a leisurely gala dinner at the Museo Ferruccio Lamborghini which provided plenty of opportunity to connect in person.

"Our open house in Bologna enabled us to share Romaco's evolution over the last few years with visitors", explained Jörg Pieper, CEO of the Romaco Group. "We haven't simply acquired more space; we've also grown generally as a company and have duly invested in the expansion and further development of our product range. We're now in a position to offer our users in the pharmaceutical industry the right machine for every process step – either standalone or in-line. At the same time, our technologies are engineered to help our customers reduce their carbon dioxide emissions permanently."

### **New home for Romaco in Bologna**

The move by Romaco's Italian production subsidiary into modern new premises in Bologna Pianoro was completed in several stages in summer 2021. This 15,000 square metre facility provides ample space for manufacturing primary, secondary and final packaging solutions from Macofar and Promatic. More than 190 people are currently employed at the Romaco S.r.l. plant in Bologna. Truking Technology Ltd., the Romaco Group's Chinese parent, publicly announced its intention to invest in a new building back in summer 2017. That plan has now become reality.

"51 factory acceptance tests (FAT) passed in only ten weeks – that's the excellent result since we moved into our new building", emphasised Nicola Magriotis, Managing Director of Romaco S.r.l. in Bologna. "I'd particularly like to thank my team; after all, without them – and their untiring dedication and commitment – we could never have got off to such a successful start. The move into the new premises has set the course irrevocably for the future and paved the way for sustainable growth."

The spacious building was designed from beginning to end with sustainability aspects in mind. In addition to green electricity and the construction of a solar roof, the heat-reflecting blinds and the energy efficient ventilation and filtration system are major factors in systematically reducing carbon dioxide emissions. The 8500 square metre outdoor area with native plants and a wetland biotope moreover ensures a climate-friendly work environment.



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**The following pictures are enclosed with the press release:**

1. Live demonstration of the Optima perforated coating pan during the open house in Bologna.

Open-House\_R-BO\_live-demo\_2788.jpg



2. Jörg Pieper, CEO Romaco Group, and Nicola Magriotis, Managing Director of Romaco S.r.l., are presenting Romaco and its portfolio.

Open-House\_R-BO\_key-notes\_2896.jpg



3. Romaco S.r.l.'s new premises in Bologna Pianoro.

New-Building\_Romaco-Bologna.jpg



4. Spacious assembly workshop in the new Romaco S.r.l. building in Bologna.

Workshop\_Romaco-Bologna.jpg



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