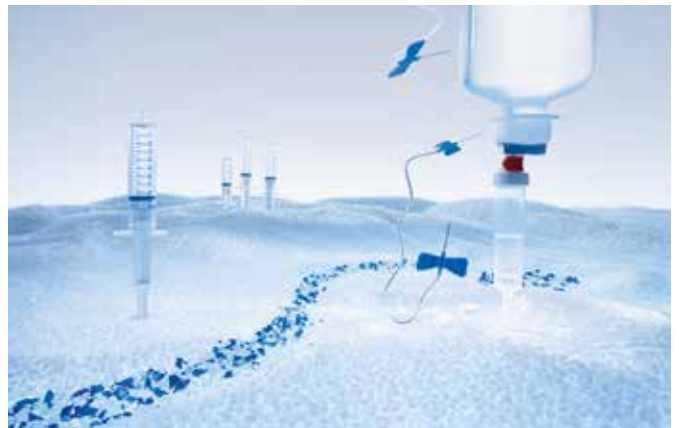


MEDICAL & PHARMACEUTICAL

 think materials management



THE PARTNER FOR YOUR INDUSTRY. OUR CORE COMPETENCIES.



INJECTION MOULDING

For everyday products. Complex, end-to-end systems or individual units for the automotive, electronics, household goods and healthcare industries, and for clean-room production.



BLOW MOULDING

For bottles and containers. Reliable conveying, dosing and mixing systems for high-volume production of bottles and other containers.



EXTRUSION

For cables, tubes and profiles. High-quality dosing and mixing systems that deliver superior precision and consistency for the continuous production of films, cables, tubes and profiles.



COMPOUNDING

For masterbatches and more. Dosing and mixing systems for challenging, continuous production processes, such as masterbatches.

The motan group is a leading global provider of peripheral units and systems for the handling of bulk solids. We deliver solutions for a wide range of markets.

Our offering is based on in-depth expertise, spanning the entire process chain. We develop solutions for plastics manufacturers and processors. Our systems are tailored to real-world applications, helping to improve our customers' efficiency, productivity and competitiveness.

Our organisation is both global and local, with a structure that means we are always exactly where you need us: close at hand. What's more, you benefit from systems engineered to meet your specific challenges. We go far beyond conventional materials handling solutions. Find out what motan can do for your process chain!

motan group

motan was founded in 1947, and colotronic and colotronic systems have been part of the motan group since 2006. Contact us if you have sales or service queries relating to colotronic and colotronic systems. The skills and portfolios of these two industry leaders are now united under the motan brand and its swallow logo.



CLINICALLY CLEAN PRODUCTION FOR MAXIMUM QUALITY AND STABILITY.

Systems for the manufacture of pharmaceutical and medical products are subject to strict rules and standards. Good Manufacturing Practice (GMP) guidelines and Food and Drug Administration (FDA) regulations are two key examples. These requirements also apply to material supply systems – even where core components are located outside the clean room. motan-colortronic provides a variety of solutions to meet these challenges.

We offer a broad portfolio of high-quality components for the pharmaceutical and medical sectors, designed and built to fulfil exceptional standards of cleanliness. We have extensive experience with the design and installation of peripheral systems for plastics production under cleanroom conditions.

We have the expertise to help you enhance the quality of your manufacturing processes – particularly when complex, custom solutions are required. And we offer you the opportunity to test your project-specific processes at our state-of-the-art Tech Centers.

Our control and monitoring systems allow you to seamlessly document all relevant parameters and processes. The visualization software enables at-a-glance monitoring of status and settings of production equipment, and serves as the basis for ensuring consistent quality. In short, you benefit from an end-to-end solution tailored to your specific needs – for improved quality assurance, more reliable processes, and added value throughout the entire life cycle.

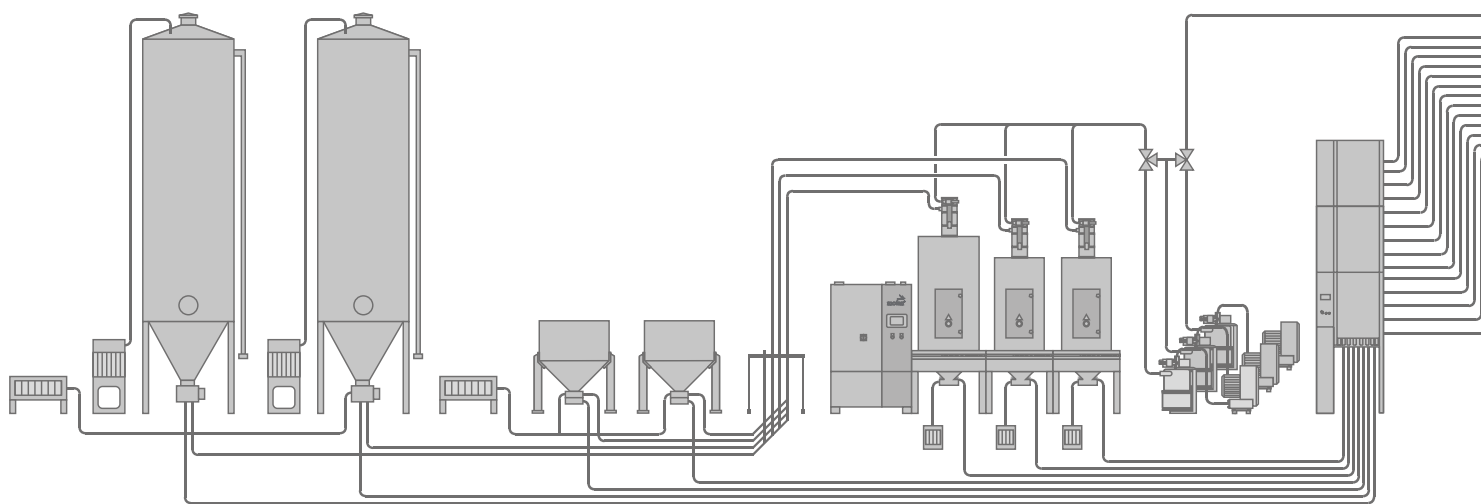


QUALIFICATION. BENEFIT FROM OUR EXPERTISE.

We provide you with the detailed step-by-step documentation you require for FDA and GMP qualification – from Design Qualification (DQ) to Installation Qualification (IQ), and Operational Qualification (OQ). We also advise you during Performance Qualification (PQ).



QUALITY BEGINS WITH DOCUMENTATION OF MATERIALS MANAGEMENT.



STORAGE

CONTAMINATION-FREE STORAGE.

From small, portable containers to large outside silos, motan offers a wide range of storage solutions for contamination-free materials handling in line with your specific requirements.



DRYING

END-TO-END DOCUMENTATION OF DRYING PARAMETERS.

High-quality documentation comes as standard with our drying systems. The built in DryingOrganizer ensures excellent and reliable reproducible results, every time. And patented ETA plus® technology enables you to cut energy consumption by up to 64 per cent.



DOSING AND MIXING

HIGH REPRODUCIBILITY AND RECIPE ACCURACY.

motan's gravimetric dosing systems dose ingredients with pinpoint accuracy and unbeatable consistency – the ideal basis for all forms of qualification.

DESIGNED FOR PHARMACEUTICAL, MEDICAL, AND CLEANROOM PRODUCTION IN ACCORDANCE WITH FDA AND GMP GUIDELINES.



1

GAIN-IN-WEIGHT SYSTEM

THE HIGH-QUALITY GRAVIMETRIC DOSING SOLUTION.

This silicone-free stainless steel system leverages IntelliBlend technology for highly precise dosing. In addition, it features filter-less conveying.



2

LOSS-IN-WEIGHT SYSTEM

FOR OUTSTANDING RECIPE ACCURACY.

This system is made of electro-polished stainless steel, inside and out – making it exceptionally easy to clean. Information on material flow is continuously captured via load cells and transmitted in real time to the control system.

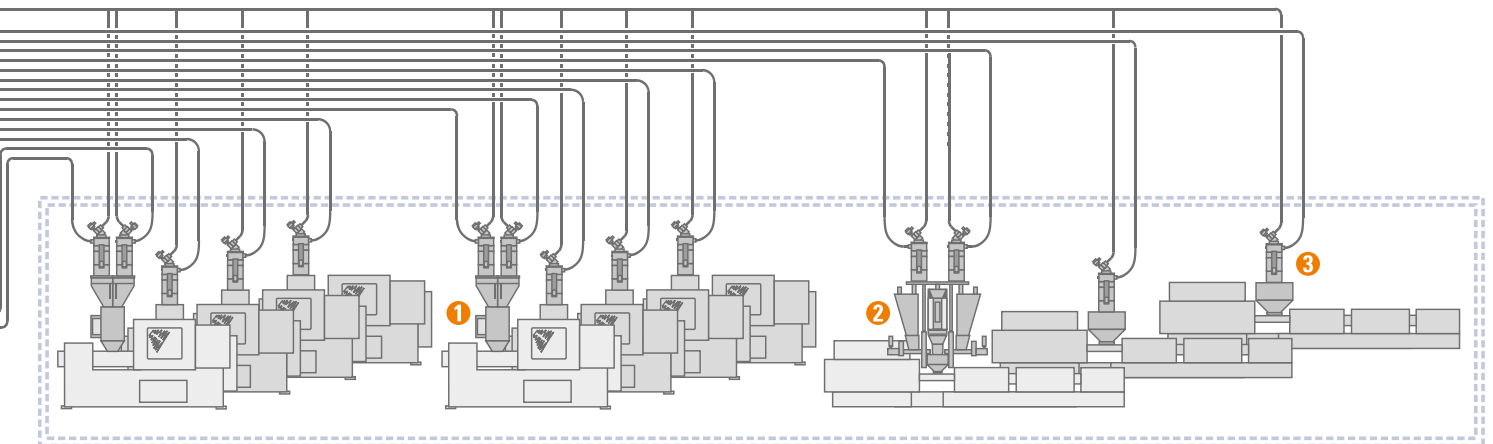


3

MATERIAL LOADERS

MADE OF ELECTRO-POLISHED STAINLESS STEEL.

Safe, contamination-free and loss-free material loading enhances productivity while complying with the strict regulations governing the manufacture of pharmaceutical and medical products.



CONVEYING

MATERIAL FLOW IN LINE WITH YOUR NEEDS.

Custom-tailored, accurate, material-friendly, and contamination-free – motar's conveying systems, featuring IntelliFlow®, centrally control, monitor, document, and optimize your material flow.



CONTROLS

INTELLIGENT CONTROL NETWORK.

Thanks to validation-ready software and end-to-end quality monitoring, the flow of materials is documented at all stages, from delivery to your plant to the final product.



DOCUMENTATION AND VISUALIZATION

PROCESS PARAMETERS CAPTURED IN REAL TIME.

The control system carries out plausibility checks on all entries, and features granular password-protected access rights. Parameters are visualized in real time. And all data is transferred to SAP or a process data acquisition system for manipulation-proof storage.



Tech Center

PROJECT-SPECIFIC TESTING. AT OUR TECH CENTERS.

In each of our sales regions, the motan group operates dedicated Tech Centers, providing customers with testing services for their specific process applications, whatever the task. Our Tech Centers around the world play a key role in ensuring you receive the best possible solution, guaranteeing reliable, efficient system operation.

SUSTAINABLE SOLUTIONS. PROTECTING RESOURCES.

Our systems optimise material flow and increase efficiency and reliability of supply across the entire process chain – whether through ease-of-use or energy-efficient deployment of raw materials, consumables and utilities. This is exactly what we mean by sustainable solutions.

OUTSTANDING SERVICE. FOR ALL YOUR NEEDS.

The great thing about our organisation is that we are both global and local: wherever you are, we're there too. We are present in all our key markets. Our services and solutions range from comprehensive advice and assistance for all your materials management questions, to commissioning your systems, to after-sales services. We support you every step of the way, and are always available to carry out maintenance and other services. Rapidly and reliably.



A LASTING PARTNERSHIP. WORKING TOGETHER FOR YOUR SUCCESS.

Dependability and strong partnerships are our core values, and we are committed to making them a reality. Against this background, we actively involve you in system development, project planning and implementation to ensure that we provide you with exactly what you need: an energy-efficient, resource-saving, highly reliable solution.



BRANDS THAT BENEFIT FROM OUR SERVICES AND SOLUTIONS. SELECTED NAMES.



HOW MAY WE HELP YOU?



SO WHERE CAN YOU FIND US? WORLDWIDE.

www.motan-colortronic.com



- = motan company with production
- = motan company
- = sales & service partner

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