FULLY-AUTOMATIC MATERIAL SUPPLY

- For IM and extrusion
- Automatic material selection
- No coupling errors
- Short retrofitting times
- Self-cleaning
DRx AUTOMATIC COUPLING STATION
Reliable material supply with automatic material selection

The fully automatic coupling station is the latest development in material handling and offers superior process design. It reliably links up material sources and destinations. Only the desired material or recipe is delivered to each feed destination, thereby eliminating the possibility of operator errors and downtimes through incorrect coupling. The use of reliable lightweight design ensures fully-automatic material selection, changeover and distribution of granulate and ground materials as well as masterbatches.

The SFx system takes care of controlling the coupling processes and incorporates silos and dryers in the model-based material handling (MBM) system.

Our portfolio includes complete feed systems as well as individual feeders and controllers.

FEATURES
• Positioning through precision stepper motors with encoder
• Referencing with through-scan photosensor
• Colour-coded status indication
• Vertical or horizontal installation possible
• Complete emptying after every feed cycle
• Air-jet cleaning before each changeover
• Seamless rotary pipe
• Optional: Glass pipes & surface-hardened pipes for abrasive materials
• Full integration in SFx feed system

BENEFITS
• Prevention of incorrect feed connections
• Batch logging
• Target material selection: direct or through recipes
• Full integration into the model-based material handling system
• Silos, dryers and containers are included in the control concept
• Fast material change
• Reduced inspection and logging requirements
• Seamless recording of all material flows and connections in log book

Technical data

<table>
<thead>
<tr>
<th>Article</th>
<th>DRx 12</th>
<th>DRx 20</th>
<th>DRx 40*</th>
</tr>
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<tbody>
<tr>
<td>Connections</td>
<td>12</td>
<td>20</td>
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<td>Pipe diameter</td>
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* available soon
**DRx automatic coupling station**

**SFx SYSTEM**

With model-based material handling (MBM)

The all-inclusive feed controller

Due to the incorporation of all feeders into the control system, a software model is created that maps the material paths, conveying air volumes and materials to be conveyed in a higher-level structure. The system therefore does much more than just control the individual devices. We call it model-based material handling, or MBM. It combines the control of silos, suction conveyors and coupling stations and monitors the entire conveying route from silo to processing machine. The path the material takes is recorded completely - including material and batch numbers - and can be viewed by Quality Management at any time. This is especially valuable as a proof of quality for your customers.

- for your material handling -
DRx automatic coupling station

IMPLEMENTATION
Our services for trouble-free production

EXPERTISE
We look back on more than 40 years of competent partnership with the plastics industry. Quality and innovation are our guiding principles. With our experience, we are ideally placed to plan and implement your projects.

PROJECT PLANNING/ENGINEERING
To guarantee ideal feed rates and ratios, we calculate the required conveying distances, pipe diameters, blower stations and device configurations for you and illustrate these in a flow diagram. Our engineers develop the ideal system concept for you.

INSTALLATION
Operating throughout the world, our installation team ensures that your plant is installed to the highest standard, whether in Brazil or in China.

PIPING/ASSEMBLY
Pipes are available in a range of diameters and materials, including aluminium, glass and stainless steel. Just contact us for advice.

COMMISSIONING/TRAINING
Commissioning of all electro-mechanical plant components and their control system is also part of an integrated feed system. We offer training both on-site and at our premises to optimise your internal processes and help you increase efficiency.

SUPPORT/SERVICE
Fast help is available through our Service Management System, which contains all customer data. We also ensure the long-term availability of spare parts for you.

Should you have questions or problems, we are here for you.

- for your material handling -

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Your link to the DRx automatic coupling station

Piping
Assembly
Commissioning
Service & support