Modular Transfer Systems for Efficient Processes

Simply clever and cleverly simple.
Efficiency benefits at a glance

Efficiency Plus:

**INDIVIDUALITY**
Your needs are our job: We will offer the right solution, both for offline and inline operation.

24 hours

Efficiency Plus:

**AVAILABILITY**
With an extensive product range of individual components in our warehouse, we provide short lead times and therefore save you time.

Efficiency Plus:

**MODULAR COMPONENTS**
MTS solutions are freely plannable, flexible and can be extended at any time – even downstream. MTS is not linked with complex cell structures and grows with your needs.

Efficiency Plus:

**QUALITY POLICY**
The high quality of our products stems from the high quality of the individual components. Long life and minimum wear are accordingly the result of our quality policy.

Machine Tool Sector

More than a considered transfer system for the machine tool sector: Specially for the extreme factors around machine tool manufacturing, such as chips, dirt, emulsion and oil, we have developed a perfectly tailored system. For improved flexibility and shorter downtimes.
Efficiency Plus:

**Versatility**
Whether rollers, belt or chain conveyors: Choose your ideal dual track system from a versatile product range in a variety of sizes.

Schnaithmann's building block principle can hardly be bettered for versatility: Vary your production with flexible modular systems which can be adjusted at any time to meet your needs and your desired degree of automation. Simply clever and cleverly simple.

Efficiency Plus:

**Competence**
Since 1985, we have been offering our clients high quality products and innovative solutions. This experience is paying off and flows into every new development.

Efficiency Plus:

**Innovations**
Numerous cooperative programs with technical colleges and independent institutions for the latest developments and high standards.

Efficiency Plus:

**Full-Service Automation**
From individual components to a complete system, you receive all your goods and services from a single source.

Efficiency Plus:

**Confidence**
Responsibility decides our actions, because we place the utmost value on a relationship with our clients based on trust.

Efficiency Plus:

**Global Service**
Wherever you need our products: Our global distribution network provides perfect availability.

Efficiency Plus:

**Versatility**
Whether rollers, belt or chain conveyors: Choose your ideal dual track system from a versatile product range in a variety of sizes.

Assembly Sector

**Schnaithmann's building block principle can hardly be bettered for versatility:** Vary your production with flexible modular systems which can be adjusted at any time to meet your needs and your desired degree of automation. Simply clever and cleverly simple.
Your success factor in modern material flow management: **MTS | Modular transfer systems.** You will find that we have the right conveyor system for any requirement – stable, reliable, flexible in use, easy to maintain and that can be integrated into any production or logistics concept. Even the most demanding chain system projects are feasible with our alternatives and components, proven in practice over many years. With modular transfer systems, you have a high degree of safety with your planning and the quality of the individual components also gives you commercial benefits on which you can rely.

By professionals for professionals: We complement our extensive product range with an excellent advisory service. We will also support you with your planning and CAD design. **Your needs are our job. Build on the competence and expertise of an experienced system provider.**

**Enhanced automation**

**The benefits for you:**
- Production security
- System components proven in practice
- Available off the shelf
- Stability
- Reliability
- Flexibility
**Belt conveyors BS1 – BS7, BS200**

<table>
<thead>
<tr>
<th>Transport medium</th>
<th>Friction roller tracks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belt, plastic link chain</td>
<td>Rollers: plastic or steel, case-hardened to order</td>
</tr>
</tbody>
</table>

**Application/Transported goods**

<table>
<thead>
<tr>
<th>Belt conveyors BS1 – BS7, BS200</th>
<th>Friction roller tracks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport of light goods and cartons. With or without workpiece carrier.</td>
<td>Material preparation and transport of containers, chests, cartons or sensitive workpieces.</td>
</tr>
</tbody>
</table>

- Workpiece direct or pallets and boxes of all shapes and sizes
- Lower weights

<table>
<thead>
<tr>
<th>Standard system extension modules</th>
</tr>
</thead>
</table>

- Support element
- Conveyor belt, centre drive
- Conveyor belt, front drive
- Conveyor belt BS 200, front drive

- Complete system produced to length and width: Belt conveyors run with centre or front drive

- Material preparation and transport of containers, chests, cartons or sensitive workpieces.

- Workpiece direct or pallets and boxes of all shapes and sizes
- Heavier weights

1 Support element
2 Roller track run
3 Roller track run, friction roller driven
4 90° curve
5 Lift transverse unit (without illustration)
### MTS | 2
The transfer system designed specially for the machine tool sector

#### Transport medium

<table>
<thead>
<tr>
<th>Hinge chain conveyor BS37</th>
<th>Plate chain conveyor BS81, BS86</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hinge chain:</strong> linear or curved, various widths</td>
<td><strong>Plate chain:</strong> curved, two sizes</td>
</tr>
</tbody>
</table>

#### Application/Transported goods

<table>
<thead>
<tr>
<th>Hinge chain conveyor BS37</th>
<th>Plate chain conveyor BS81, BS86</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workpiece loading and unloading, preferably for the machine tool sector.</td>
<td>Transport of workpiece carriers, preferably for buffering, storage and linking of machine tools.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Workpiece direct</th>
<th>Heavier weights</th>
<th>Workpiece carrier or workpiece direct</th>
<th>Heavier weights</th>
</tr>
</thead>
</table>

#### Standard system extension modules

<table>
<thead>
<tr>
<th>Hinge chain conveyor BS37</th>
<th>Plate chain conveyor BS81, BS86</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Support element</td>
<td>1 Support element</td>
</tr>
<tr>
<td>2 Stopper (without illustration)</td>
<td>2 Plate chain run</td>
</tr>
<tr>
<td>3 Separator element (without illustration)</td>
<td>3 90° steering element</td>
</tr>
<tr>
<td>4 Positioning elements (without illustration)</td>
<td>4 90° steering element, driven</td>
</tr>
<tr>
<td>5 Transverse slide (without illustration)</td>
<td>5 180° steering element</td>
</tr>
<tr>
<td>Complete system produced to length and width: Hinge chain run with steering element, centre or front drive</td>
<td>6 180° steering element, driven</td>
</tr>
<tr>
<td>7 Indexing element</td>
<td>7 Indexing element</td>
</tr>
<tr>
<td>8 Separator element</td>
<td>8 Separator element</td>
</tr>
<tr>
<td>9 Workpiece carrier</td>
<td>9 Workpiece carrier</td>
</tr>
<tr>
<td>10 Accumulation control system (without illustration)</td>
<td>10 Accumulation control system (without illustration)</td>
</tr>
<tr>
<td>11 Link switch (without illustration)</td>
<td>11 Link switch (without illustration)</td>
</tr>
<tr>
<td>12 Connection switch (without illustration)</td>
<td>12 Connection switch (without illustration)</td>
</tr>
</tbody>
</table>
Dual track belts
BS10 – BS100 + BS 300

Transport medium
Belt, toothed belt, accumulation roller chain and others

Application/Transported goods
Buffering, storage, decoupling and transporting workpiece carriers in assembly systems.

Workpieces on Euronorm workpiece carriers (codable) Lower to heavier weights

Standard system extension modules

1 Support element
2 Transport run
3 Drive element, front or centre drive, clamping unit
4 Steering element
5 180° curve with rollers
6 Transverse run
7 Lift transverse unit
8 Lift, pneumatic/motorised
9 Indexing element (without illustration)
10 Accumulation control system (without illustration)
11 Separator element (without illustration)

BS 10/1 1/300
1/2" accumulation roller chain
max. 1500 N/m
max. 5000 N/motor
max. 10 m long

BS 20/21
Belt run with belt
max. 750 N/m
max. 2500 N/motor
max. 10 m long

BS 30
Belt run with toothed belt
max. 500 N/m
max. 2500 N/motor
max. 3 m long

BS 50
Duplex chain
max. 1500 N/m
max. 5000 N/motor
max. 10 m long

BS 60
Hinge belt chain with plastic bearings
max. 750 N/m
max. 2500 N/motor
max. 10 m long

BS 100
3/4" accumulation roller chain
max. 1850 N/m
max. 9000 N/motor
max. 10 m long

MTS | 3
The transfer system designed specially for the assembly sector
<table>
<thead>
<tr>
<th>System Solutions</th>
<th>Product Solutions</th>
<th>Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assembly and Automation</td>
<td>Modular Transfer Systems</td>
<td>Application consulting</td>
</tr>
<tr>
<td></td>
<td>Modular Transfer Systems</td>
<td>Planning</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Construction</td>
</tr>
<tr>
<td></td>
<td>Material Flow and Handling</td>
<td>Hardware and software</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Documentation</td>
</tr>
<tr>
<td>Material Flow and Handling</td>
<td>Flexible Profile Systems</td>
<td>Own production</td>
</tr>
<tr>
<td></td>
<td></td>
<td>High availability</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Logistics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>On-site commissioning</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maintenance</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Global service</td>
</tr>
</tbody>
</table>

Schnaithmann Maschinenbau GmbH

Fellbacher Strasse 49
73630 Remshalden-Grunbach
Germany

Telephone +49 (0) 71 51 - 97 32-0
Fax +49 (0) 71 51 - 97 32-190

info@schnaithmann.de
www.schnaithmann.de