Gravimetric batch metering
With integrated vacuum conveying

Extremely compact
A single device for conveying, dosing, weighing, mixing and extracting

- Conveying & dosing, perfectly matched
- Easy cleaning without tools
**Batch dosing device, Cx-Series**

With integrated vacuum conveying
Gravimetric – conveying, dosing, weighing, mixing, extracting and controlling in a single device
For plastic granulate, additives and ground materials

**DESCRIPTION**
The Cx-series has been designed for a capacity from 100 kg/h to 1000 kg/h. Its unique, compact design saves space to ensure perfect dosing and mixing results. Whether granulate or ground product – all materials are homogeneously mixed. Individual components from 0.5 to 100 % are metered into the weighing hopper with sliders. At quantities of 0.05 % to 0.5 %, metering is by a drum dosing station (WD). Sliders with special seals ensure both an exact metering accuracy and effective sealing for filling the dosing stations. There is no need to disassemble the feeders for cleaning. Thus maintenance and cleaning become a matter of minutes.

**Technical data**

<table>
<thead>
<tr>
<th>Device</th>
<th>Cx 200</th>
<th>Cx 300</th>
<th>Cx 700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dosing capacity</td>
<td>Up to 200 kg/h *depending on bulk density and grain size</td>
<td>Up to 300 kg/h *depending on bulk density and grain size</td>
<td>Up to 700 kg/h *depending on bulk density and grain size</td>
</tr>
<tr>
<td>Accuracy</td>
<td>about 0.1 % for additives (average of 3)</td>
<td>about 0.1 % for additives (average of 3)</td>
<td>about 0.1 % for additives (average of 3)</td>
</tr>
<tr>
<td>Max. no. of dosing stations</td>
<td>4, equipped with slider and/or drum dosing device (optionally 6 components)</td>
<td>4, equipped with slider and/or drum dosing device (optionally 6 components)</td>
<td>6, equipped with slider and/or drum dosing device (optionally 8 components)</td>
</tr>
<tr>
<td>Weighing hopper</td>
<td>5 litres</td>
<td>8 litres</td>
<td>20 litres</td>
</tr>
<tr>
<td>Mixer</td>
<td>20 litres</td>
<td>20 litres</td>
<td>60 litres</td>
</tr>
<tr>
<td>Housing</td>
<td>Stainless steel 1.4301</td>
<td>Stainless steel 1.4301</td>
<td>Stainless steel 1.4301</td>
</tr>
<tr>
<td>Compressed air</td>
<td>Max. 6 bar</td>
<td>Max. 6 bar</td>
<td>Max. 6 bar</td>
</tr>
<tr>
<td>Electrical connection</td>
<td>400 VAC, 50 Hz</td>
<td>400 VAC, 50 Hz</td>
<td>400 VAC, 50 Hz</td>
</tr>
</tbody>
</table>

**BENEFITS**

- Extremely compact design
- Integrated feeding and dosing devices
- Optimised for ground material
- Extraction synchronised with mixer and dosing
- Pneumatic extraction slider with emptying function
- Direct extraction in dosing station
- Low demixing of materials during feed to extruder or injection moulding machine
- No separate material containers under device necessary
- Material saving through high-precision dosing
- Automatic adaptation to bulk density changes
- Easy cleaning and disassembly
- Full cleaning in under 30 minutes
- Mixing container emptying function
- Ethernet interface with Modbus UDP
- Plexiglass door (standard)
- Colour status indication
**DESCRIPTION**
- Gravimetric
- Mixing & conveying capacity (200 kg/h)
- Integrated feed stations
- Weighing hopper, 5 litres
- Mixer, 20 litres
- Compact design

**OPTIONAL EXTRAS**
- Up to 6 components
- Micro-dosing with drum dosing device WD1
- Installation possible directly onto injection moulding machine or extruder
**Cx 300**

**DESCRIPTION**
- Gravimetric
- Mixing & conveying capacity (300 kg/h)
- Integrated feed stations
- Weighing hopper, 8 litres
- Mixer, 20 litres
- Compact design

**OPTIONAL EXTRAS**
- Up to 6 components
- Micro-dosing capability with drum dosing station WD
- Installation possible directly onto injection moulding machine or extruder
**Dosing for your material handling**

**Cx-Series**

**Cx 700**

**DESCRIPTION**
- Gravimetric
- Mixing & conveying capacity (700 kg/h)
- Integrated blower station
- Integrated feed stations
- Weighing hopper, 20 litres
- Mixer, 60 litres
- Compact design

**OPTIONAL EXTRAS**
- Up to 8 components
- Integration of drum-type micro-dosing device WD1
- Integrated platform with steps
- Antifall guard for steps

---

**3D mixer Cx 700**

- RGB status indicator
- 3D mixer Cx 700
- Optimum direct extraction

**Conveying without flap**

- Conveying without flap
- Optional WD1 Drum dosing station

**Integrated platform with steps**

- Integrated platform with steps
- Installation directly on injection moulding machine (Cx 150)

**Conveying**

- Conveying
- Dosing

**Weighing**

- Weighing

**Mixing**

- Mixing

**Extraction**

- Extraction

**Control**

- Control

---

**Installation directly on injection moulding machine**

- Pivoting hoppers installed on injection moulding machine

**about 1500 mm**

- Installation directly on injection moulding machine (Cx 150)

**about 1650 mm**

- RGB status indicator

**about 2500 mm**

- Pivoting hoppers installed on injection moulding machine
**Controller Cx**
- Suitable for all Cx series devices
- Inexpensive version
- Control indication with 5” or 7” touch display
- Easy, intuitive operation
- Control of up to 10 feeders
- Control of mixer, weighing hopper flap, pneumatic extraction slider, emptying function
- Manual operation
- Configuration through SD card
- Modbus UDP interface
- Microcontroller technology
Remote control Cx Operator (optional)
- Intuitive central operation
- User rights management
- Recipe memory for single and coex systems (optionally for up to 3 devices)
- Consumption indicator (total) for selected recipes
- Logbook (logs, switching states, fault messages, settings)
- Material memory
- Easy manual recipe selection (standard)
- Recipe import through barcode scan (optional)
- Order log (optional)
- Central operation for ground material conveying systems
- Data export to USB stick
Integration of WD system (optional)

Gravimetric – superior precision – exact repeat accuracy – no scrapers

Unique drum dosing concept, developed especially for micro-dosing of free-flowing materials (masterbatch, Holcobatch and free-flowing powders). Dosing range from about 0.01 to 1.0 %, <20 g/h to >30 kg/h.

Benefits

- Superior precision
- Low holding capacity
- No wear parts (scrapers)
- Rapid emptying of batch/additive station for fast colour change and material savings
- Largely resistant to vibration and impacts
- Easy cleaning without tools
- Continuous discharge – minimal pulsation
- Dosing quantities from 0.05 % to 0.5 % are achieved with drum dosing stations (WD)

Precision dosing drum

Optional extra: Drum dosing station for high-precision dosing

Range of drum geometries

Plastic or stainless steel drum

6 mm 12 mm 25 mm

Up to 45 mm

Rapid drum change

Easy test dosing and emptying

Your link to the Cx series

Tschritter GmbH
Industriestr. 2-4
97904 Dorfprozelten, Germany
Tel.: +49 (0)9392-9765-0; Fax: +49 (0)9392-9765-201
E-mail: info@tschritter.com; website: www.tschritter.com