



Cx 50

Gravimetric batch metering For injection moulding and small extruders up to 50 kg/h



- For exact, homogeneous blends
- 4 components
- Precision dosing drum technology



Cx 50

Batch dosing device Cx 50

For small throughputs of up to 50 kg/h
Gravimetric – metering, weighing, mixing and controlling in a single device.
For plastic granulate and additives

DESCRIPTION

The Cx 50 has been designed for throughputs of up to 50 kg/h. The unique compact design saves space and, with its high-precision dosing drum technology and high-resolution weighing system ensures ideal dosing and mixing results. At quantities of 0.1 % to 100 %, metering is by drum dosing devices (WD). Granulates and masterbatches are homogeneously mixed with the turbo mixer right from the first batch. Its design minimises material storage. State-of-the-art microcontroller dosing control filters out impacts and vibrations. Cleaning and refitting the device is quick and easy.

BENEFITS

- Gravimetric metering of all components
- Low holding capacity
- Dyeing on the processing machine
- Easy handling
- Fast material change
- Material savings through high-precision drum dosing devices
- Easy cleaning and disassembly
- Ethernet interface with Modbus UDP
- Plexiglass door (standard)
- Colour status indication

OPTIONAL EXTRAS

- 5" or 7" display
- Integration in central feed system visualisation (Sfx)
- Adapter flange for injection moulding machines
- Remote display Cx OP7 with job logging

Technical data

Device	Cx 50
Dosing capacity	up to 50kg/h
Accuracy	about 0.1 % for additives (average of 3)
Max. no. of dosing stations	4, equipped with drum dosing devices
Weighing hopper	1000ml
Mixer	6 Liter
Housing	Stainless steel 1.4301 / aluminium
Electrical connection	230 V

* depending on bulk density and grain size

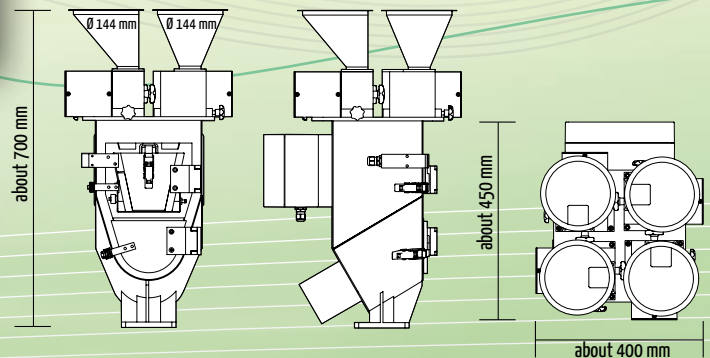
SPECIFICATIONS

- Up to 50 kg/h
- 4 components (granulates, masterbatch)
- Batch size 500g
- Metering accuracy 0.1 % (*)
- Precision weighing cell
- Highly accurate dosing drums
- 24-bit weighing amplifier
- Shock absorber integrated in weighing software
- Inclined mixer with 3D mixing motion

* depending on bulk density and grain size

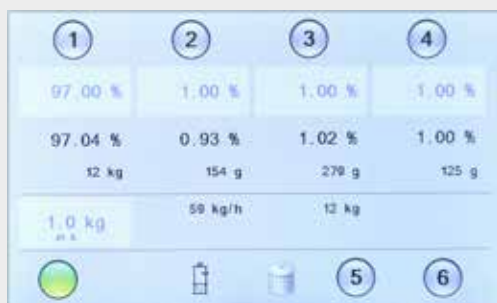


Colour touch display



High-precision metering through WD system

Weighing hopper





Integration of WD system

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 0.1 to -100 % depending on drum size.

ADVANTAGES OF THE WD TECHNOLOGY

- 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 – low pulsation



Various container sizes available

WD system

4 drum dosing devices

LED status indicator

3D mixer



Precision dosing drum



Plastic or stainless steel drum

6 mm 12 mm 25 mm



Up to 45 mm

Range of drum geometries



Rapid drum change



Easy emptying

3D mixer

LED status indicators

4 drum stations

Safety interlock





Cx 50

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)
- Data export to USB stick



Material & recipe management



Remote control with 4.3" or 7" display



Visualisation: Ground material bunker integrated



Order-related material reports



Visualisation, 3-layer coextrusion



Recipe memory

Your link to the Cx 50



Service

Close contact and communication with our customers is important to us. Our service staff are highly familiar with our devices and the process technology used in plastics production. We will be pleased to answer your questions. Just get in touch with us.

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