

X-Series

Continuous Gravimetric Blender



**PROCESS
CONTROL**



The X-Series: designed to produce precise, homogeneous blends by weight (pictured is a XD4)

The X Series Continuous Gravimetric Blender offers unsurpassed blend accuracy and blend homogeneity in a wide range of configurations to meet the needs of an application. For extruder throat-mounted applications, the X Series blender comes equipped with an integral downcomer to preserve the blended material all the way to the extruder without demixing. For twin-screw extrusion there is no need for a downcomer. The blender is dosing directly in the extruder throat.

Operation

The operator enters the desired blend recipe at the operator station. All ingredients are simultaneously metered in the correct blend ratios by inclined augers without pulsation from

individual weighed material hoppers. The ingredients flow through a cascade chamber with a static mixer element which produces the best blend homogeneity.

Control Features

- B&R controller
- User friendly 6" touch panel
- Actual values of weighed hoppers and extruder
- Totals per job and shift
- Blender monitors weight loss of each ingredient hopper for precise control of blend ratios
- Weighing system resolution is 1 : 1,000,000 for maximum accuracy
- Storage for 400 blend recipes in battery-backed memory
- Multiple alarm levels with visual display and contact closures

Options

- Gravimetric Extrusion Control
- high temperature design
- Special hoppers for bad flowing materials like powder and regrind
- Refill hopper with valve
- Inert gas shielding
- Various data-interfaces, Industrie 4.0
- Remote control



XDC8 Compound

Continuous Gravimetric Blender



X-Series Compound with throughput up to 4t/h

The X-series as compounding version is available with changeable powder or granulat dosing units.

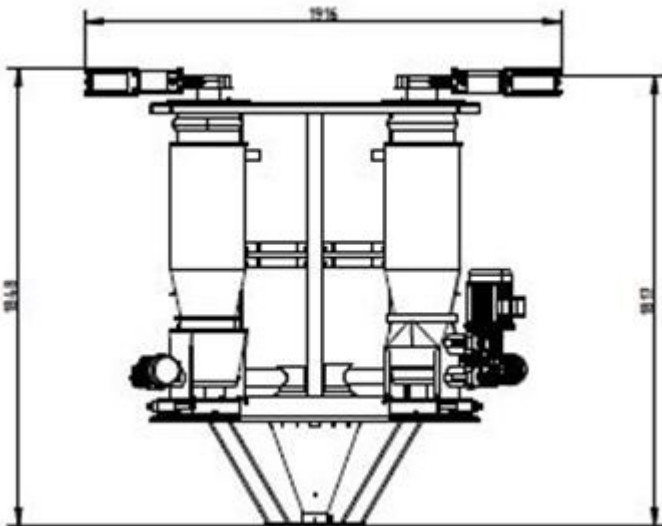
All easy and fast removable to clean via quick connect systems.

The powder components are equipped with an additional drive with special designed agitator to avoid bridge building from sticky or gluing powders.

The X-series can handle throughputs up to 4000 kg/h.

Mechanical Features

- Individual weighed ingredient hoppers with easy-to-use drains and sight glasses
- Interchangeable metering units with quick disconnection
- DC gearmotors with PWM drive control and closed-loop speed regulation
- Alternately AC-Drives with frequently controls
- Integral loading platform for mounting vacuum receivers
- Designed for easy cleanout and quick changeover
- Stainless steel construction



XDC Compound 4 Element



**Control Panel Mini-Op B&R
Touchscreen**



PROCESS CONTROL GmbH
Industriestr. 15, 63633 Birstein, Deutschland
Tel: (+49) 0 60 54 – 91 29 0 Fax: (+49) 0 60 54 – 91 29 99
E-Mail: info@ProcessControl-GmbH.de
Internet: www.ProcessControl-GmbH.de

**PROCESS CONTROL
Corporation**
6875 Mimms Drive, Atlanta, GA 30340 USA
Tel: (+1) 770 449-8810 Fax: (+1) 770 449-5445
Internet: www.Process-Control.com