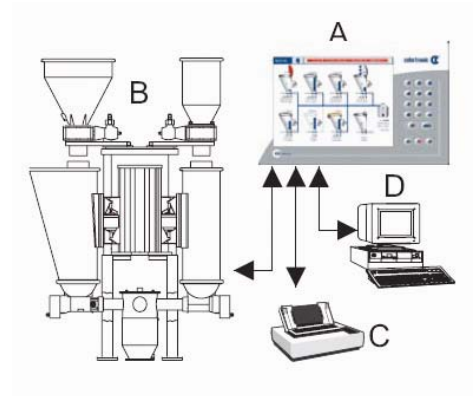


Typical application of a Gravimetric Dosing System

- A Dosing control system
- B Gravimetric dosing unit
- C Printer
- D Host

Component B is described below



Brief Description

GraviPlus is a continuous loss-in-weight gravimetric dosing and blending system almost any material:

- Free flowing plastic pellets and regrind
- Powder additives and fillers
- Pigments
- Liquids
- Bio-fiber material

Each GraviPlus can have one to eight precision screw feeders per line.

GraviPlus is designed for throughput from 0.25 kgs/hr (0.55 lbs/hr) to 7,500 kgs/hr (16,000 lbs/hr). These throughputs are achieved only in continuous extrusion applications.

The dosing of the components is done continuously, and the material flow for each component is constantly monitored.

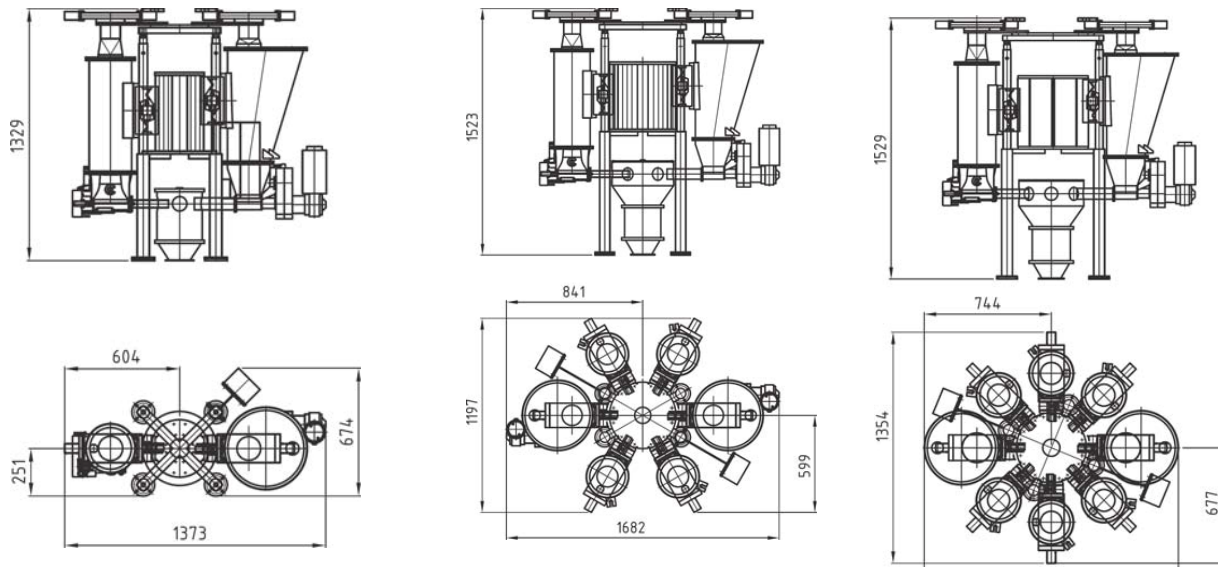
- GraviPlus is manufactured in accordance with "CE" specifications.
- UL compliant panels available



Technical Information

Basic Version

- Max. eight dosing/feeder stations per blending unit
- Minimum throughput 0.25 kgs/hr (0.55 lbs/hr)
- Maximum throughput 7,500 kgs/hr (16,500 lbs/hr)
- Maximum temperature 100°C (212°F)
- Weight with one dosing/feeding station 50kg (110 lbs)
- Weight of one modular dosing/feeding station 15-40 kg (33-88 lbs)
- Volume of one modular feeder/dosing container 20-90 liters (0.7 cu.ft – 3.8 cu.ft)
- Operating voltage 230 V \pm 10%, AC, N, PE, 50/60 Hz
- Cumulative dosing accuracy up to \pm 0.1%
- Variable speed DC drive motors
- Standard dust-light construction
- Vibrating wire load cells with a resolution of 1:1,000,000 per dosing/feeding station
- Twin screw feeder dosing station with built-in agitator
- Processing of liquid components
- Integrated refill system
- Vacuum conveying units/system for feeder refill
- Other material handling systems for non free-flowing materials
- Vibration damping
- High temperature (180°C/356°F) option available



www.colortronicna.com

Corporate Headquarters:

Colortronic North America, Inc.
4100 Market Place
Flint, MI 48507
Tel. 810-720-7300
Fax. 810-720-2598
colortronicweb@corpemail.com

Colortronic Systems AG
Hunzenschwil, Switzerland
Tel: +41 62 689 25 25
Fax: +41 62 689 25 26
info@colortronic.ch

Colortronic Systems GmbH
Friedrichsdorf, Germany
Tel: +49 61 75 7 92 167
Fax: +49 61 75 7 92 284
ctsystems@colortronic.de