

# GRANULE METERING SYSTEMS



GRANULE

# COM





# COM Granule Color Metering System

**Pneumatic conveying of granule and compact pigment directly into concrete mixer or into filter cyclone.**

## Advantages

- Dry dust-free processing
- Short cycle time, up to 1 kg/sec (2.2 lbs/s) metering speed
- Separate conveying vessels for each mixer with COM 70-3 and COM 70-6
- Up to 6 preweighed batches can be held – ideal for „colormix“ paver production
- Filter cyclone above mixer, as scale CF 40-S
- Rugged industrial steel support frame
- Coarse/fine metering with superfine option for extreme accuracy  $\pm 5$  g, with shut-off valve
- Fast pneumatic conveying
- Accurate electronic weighing
- Unlimited number of color shades possible
- Comprehensive customer support
- Modular design-configured to meet all plant requirements
- Versatile system for C-Pigment and G-Granule



▲ COM 70-3 Granule metering system with three conveying vessels for 6 colors in 3 mixers with one electronic weigh hopper



## Description

The granules are delivered in Big-Bags (super sack) and are then emptied into change tote bins or placed into the Big-Bag discharge station. These are put onto the rugged steel support frame by forklift. Granules then feed into 70 l surge hoppers which supply the coarse-fine vibration tubes. Metering is carried out by the vibration tubes into the electronic weigher.

From the weigh hopper the color batch can be discharged in up to 6 pressure vessels. These pressure vessels serve as holding hoppers for the preweighed batches which can be discharged immediately to the mixer on demand while another weighing process is carried out. The color batch is conveyed directly to the mixer fitted with dust collector or to filter cyclone.



▲ COM 70-1 Granule metering system with one conveying vessel for 4 colors in 2 mixers with one electronic weigh hopper

COM 70-3 Granule Metering System with 3 pressure vessels for 6 colors in 3 mixers. Low profile design with tote bins GC 1500





## COM Granule Color Metering System



### COM 70-1

Basic version with separate pressure vessel used as holding vessel. One weigh hopper discharges into one pressure vessel, serving one mixer, or several mixers with diverter valves.

### Advantages

- Dust free discharge of weigh hopper and conveying vessel.
- Start weighing immediately after weigh hopper is empty.
- Weighing can be done parallel, while batch is conveyed up to mixer - no delays.
- Fully integrated metering control with easy to use touch panel.
- Same height as Type COM 70-3, offering future system extension.

### COM 70-3

Metering system with 2 or 3 conveying vessels can serve one mixer each or preweigh several color batches parallel. For pigment discharge on demand without delay.

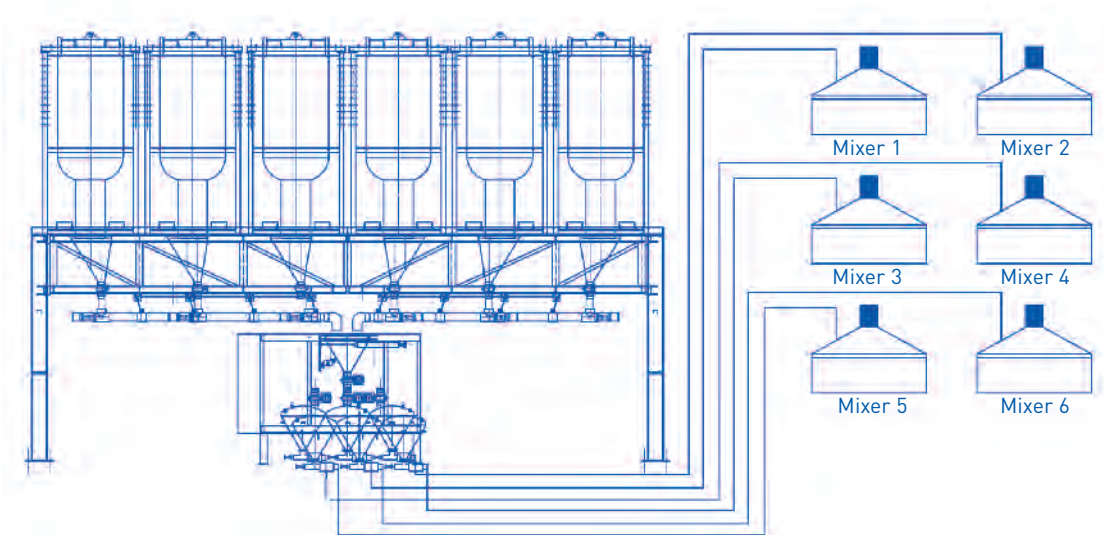




## COM 70-6

In the new metering system COM 70-6 the customer can weigh 6 different color batches and keep them on stand-by for immediate use. This is ideal for 6 different colors in a face mix, or for a plant with up to 6 mixers using colors.

**NEW**



### Advantages of COM 70-3 and COM 70-6

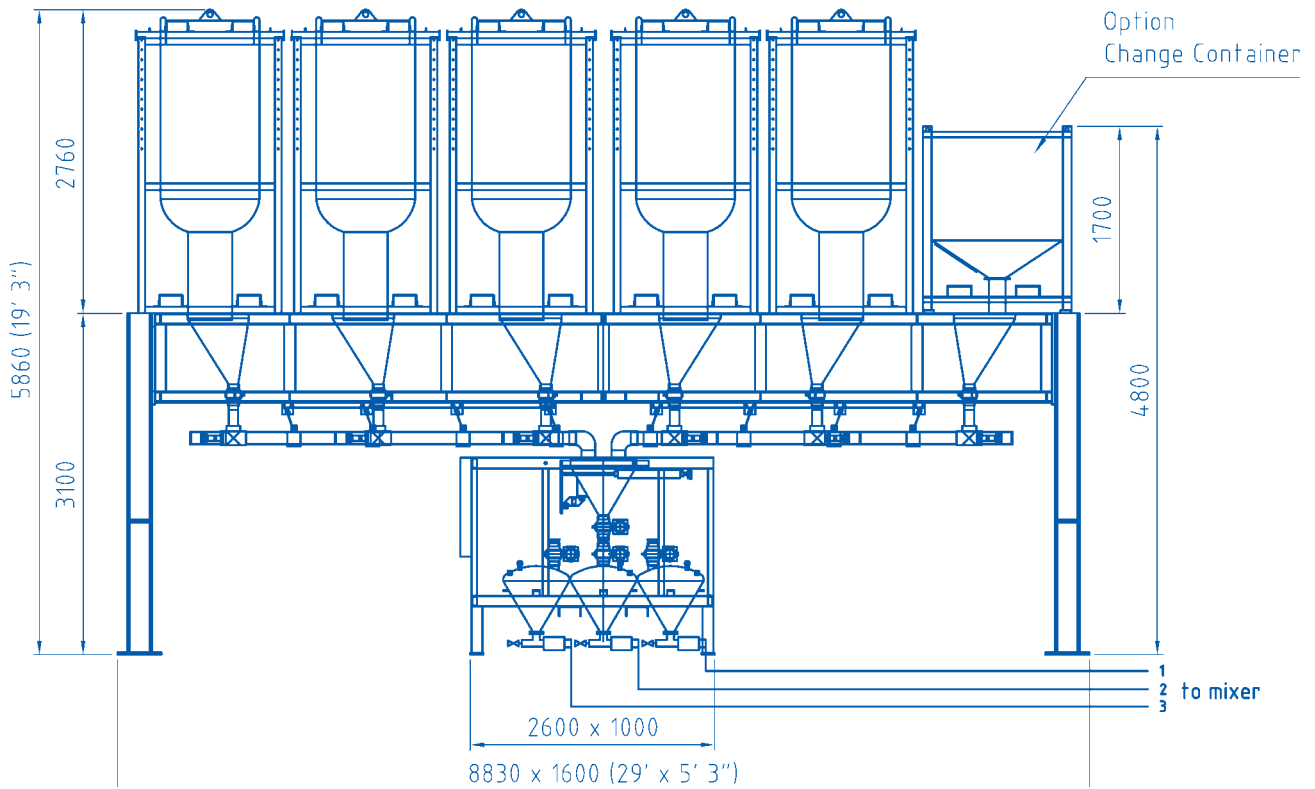
- Each mixer is served by an individual pressure vessel holding preweighed batches.
- No delays - all color batches are ready available and can be conveyed immediately to mixers, even at the same time.
- Up to six conveying vessels to preweigh several color batches parallel for „color-mix“ production.
- Start weighing immediately after weigh hopper is empty.



# COM Granule Color Metering System

## COM 70-3

Granule Metering System with 3 pressure vessels for 6 colors in 3 mixers, 1 electronic weigher.



◀ COM 70-3 and COM 70-1 Granule metering system with three plus one conveying vessels for 5 colors in 4 mixers with two weigh hoppers



## Control

- PC Control with process visualisation, statistics, password levels, remote access with reporting
- Touchpanel Control with storage of recipes, visualisation and remote maintenance
- Simple PLC Control for basic versions
- Control can be integrated into the batching plant control. In this case we will provide control information.

## Accessories

- Filter cyclone with hopper above mixer
- Filter cyclone as scale above mixer for weight check
- Diverter valve for serving multiple mixers.
- Change tote bin with butterfly valve to remove partially empty tote bin
- Change tote bin with extra low profile design
- Mixer dust filter with motor

## Filter cyclone CF 40

It is also possible to convey into a filter cyclone mounted above the mixer. This is necessary if the mixers are not sealed or for quick discharge. The filter cyclone is fitted with air shock, flexible holding hopper and easy to clean filter elements, optionally it can be fitted as scale CF 40-S for weight check.



▲ CF 40-S filter cyclone with electronic load cell and easy to clean filter element



▲ Pneumatic diverter



▲ Detailed view of vibrating pipes for coarse/fine metering of color Granules



# COM Granule Color Metering System

Versatile, proven Granule Systems with custom made versions



- ◀ Combined Granule Metering System with two COM 70-2 for 6 colors in 4 mixers with 2 weigh hoppers and 4 pressure vessels. System is equipped with 6 change containers for low profile design



- ◀ COM 70-1 Granule Metering System for 5 colors in 2 mixers with one weigh hopper, one pressure vessel and one diverter valve



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