

**A precise volumetric color feeder that accurately meters color concentrate, regrind and additives directly into your molding machine or extruder feed throat.**

Comet's CCM volumetric feeders are a simple, economical feeding solution for proportional mixing of free-flowing materials such as pellets and powders and are ideally suited for injection or extrusion feeding applications. There are 10 models to choose from with a gear motor deceleration ratios of 38:1 or 75:1 coupled with metering screws ranging from 12, 14, 16, 20 or 30mm in diameter. Outputs range from 0.22 to 271 lbs./hr. (0.1 to 123 kg/hr.). Double color feeders can be assembled from two single color feeders.

The microprocessor control, with digital display, accurately controls rotation of the high precision metering screw with an accuracy of  $\pm 1\%$  from set point. It automatically detects and compensates for changing cycle times, varying torque requirements, and/or fluctuations in plant voltage, thus eliminating the need for monitoring and adjustment.



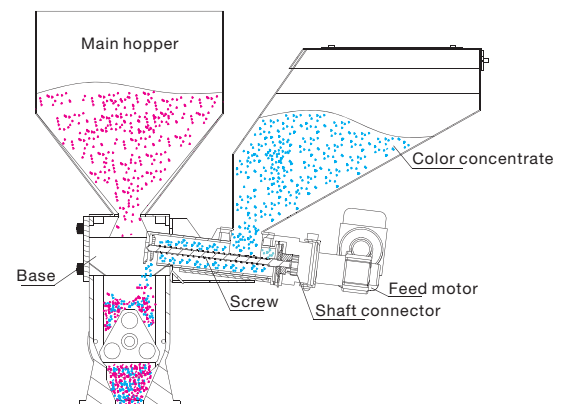
**CCM Single Color Feeder**

## Standard Features

- Brushless DC motor is maintenance free and lasts longer than standard brush-type motors.
- Metering screws are chrome plated for durability.
- Hopper magnets on the base help avoid damaging the molding machine screw.
- Modular design makes it easy clean, maintain, and interchange.
- Microprocessor control is simple to operate and both user-friendly and accurate.
- Data memorization and storage settings can be recorded without interruption from a power failure.
- External signals can be directly interfaced with the control box.
- Compulsory material cleaning makes it easier to replace color concentrate.
- Can be adapted for extrusion machines by replacing of a few wires.
- Automatically adjusts rotating speed to extruder processing speed to maintain a fixed proportion of color concentrate.
- Permanently records up to 50 material discharge time and finished product weight recipes.
- Machine stops and sounds an alarm when color concentrate blockage or overload is detected.
- Mold cycles can be set to periodically add additives to achieve micro-metering.

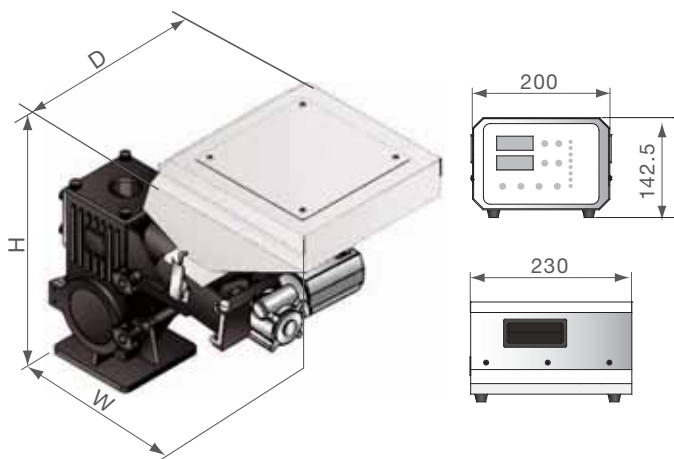


**CCM-D Double Color Feeder**

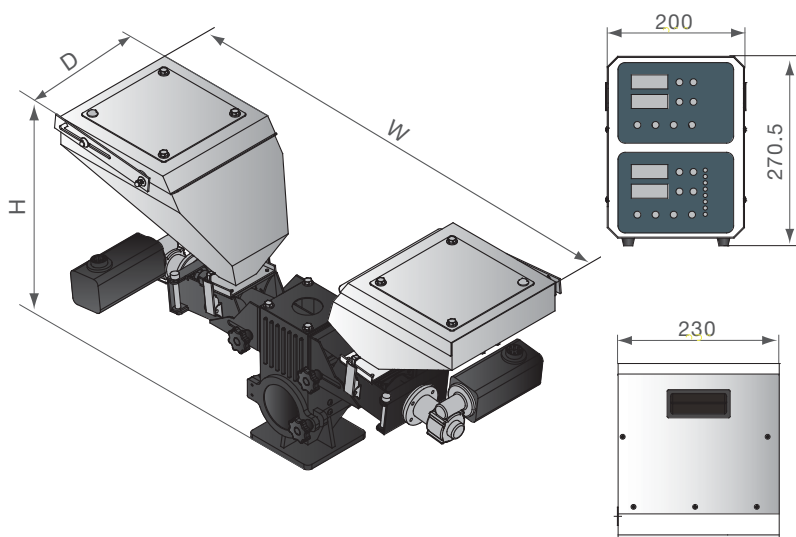


The control sends a signal to the feed motor to begin working. The shaft connector rotates the metering screw. Color additives in the hopper fall into the rotating grooves of the screw and are taken to the hopper base.

## Single Color Feeder



## Double Color Feeder



## Specifications

Models	CCM Single Color Feeder										CCM-D Double Color Feeder		
	38-12	38-14	38-16	38-20	38-30	75-12	75-14	75-16	75-20	75-30	38/38	38/75	75/75
Motor Power (W) (50/60Hz)	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06 × 2	0.06 × 2	0.06 × 2
Mixer Output Power (kW, 50/60Hz)	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
External Screw Dia. (mm)	12	14	16	20	30	12	14	16	20	30	**	**	**
Output Capacity (kg/hr)	0.3~10	0.6~20	1.1~32	7~60	14~123	0.1~4	0.2~8	0.5~15	4.4~34	6-62	*	*	*
Storage Bin (L)	10	10	10	10	10	10	10	10	10	10	10	10	10
Gear Ratio	38:1	38:1	38:1	38:1	38:1	75:1	75:1	75:1	75:1	75:1	38:1 / 38:1	38:1 / 75:1	75:1 / 75:1
Main Material Hopper (L)	Optional												
Mixer	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Standard	Standard	Standard
<b>Dimensions</b>													
H (mm)	520	520	520	520	520	520	520	520	520	520	615	615	615
W (mm)	610	610	610	610	610	610	610	610	610	610	1045	1045	1045
D (mm)	335	335	335	335	335	335	335	335	335	335	335	335	335
Weight (kg)	29	29	29	29	29	29	29	29	29	29	50	50	50

**Note:** \* Output capacity depends on model selected, data from the Single Color Feeder can be a reference.  
(example: CCM-D-38-16/38-14, output capacity is 1.7 ~ 52 kg/hr.)

We reserve the right to change specifications without prior notice.

\*\* External diameter of screw depends on model selected.

All output capacities from above models are based on data from a density of 1.2kg/L, dia. 2~3 mm color concentrate in a test criteria of continuous running.

Main power for Single Color Feeder is 1Φ, 115/230V, 50/60Hz, but it will be 3Φ, 230 / 400 / 460 / 575V, 50/60Hz when equipped with mixer.

