



## "Budget" Series Shini Volumetric Doser

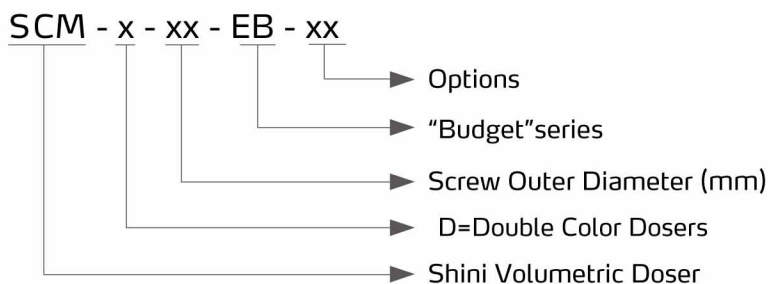
SCM-EB



Refer carefully to this manual before operation.

# SCM-EB Series

## ■ Coding Principle



SCM-D-EB

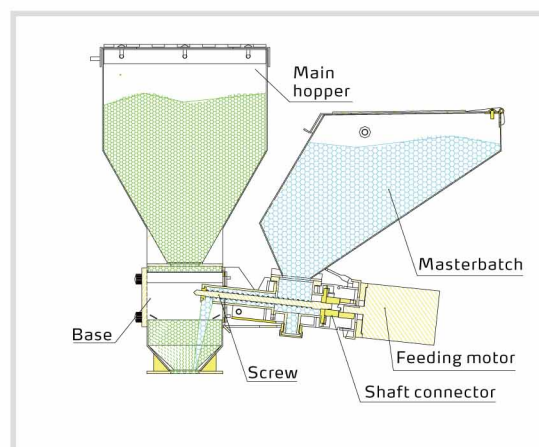
## ■ Features

- Dosing screws are chrome plated for durability.
- Use step motor and free from maintenance.
- Unit is comprised of standard modules for easy of cleaning, disassembly and interchangeability.
- It also can meet the requirement of external signal input.
- The current mode can be recorded without interrupted by power failure.
- Compulsory material cleaning makes it easier to replace masterbatch.
- Applicable to injection and extrusion molding.
- 50 recipes are available for permanent recording of material discharging time and finished products weight (for extruder, it is max. throughput per minute).
- Micro-metering mode is available, and mode cycle can be set to add additives periodically.
- Equipped with the RS485 communication port.

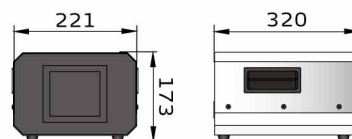
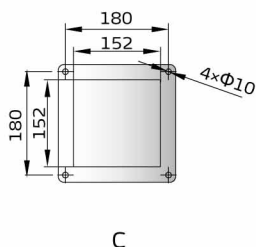
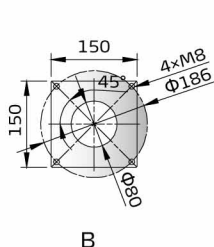
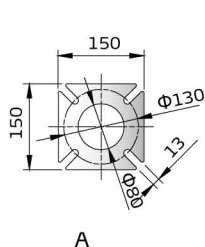
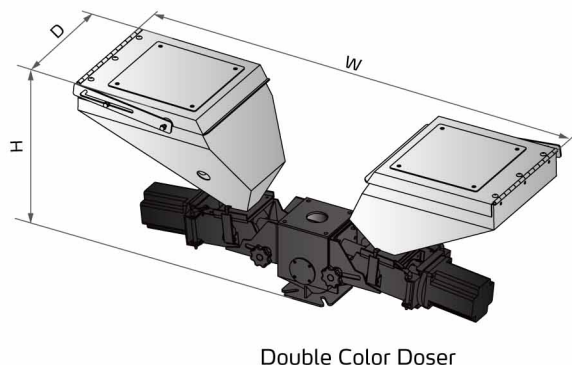
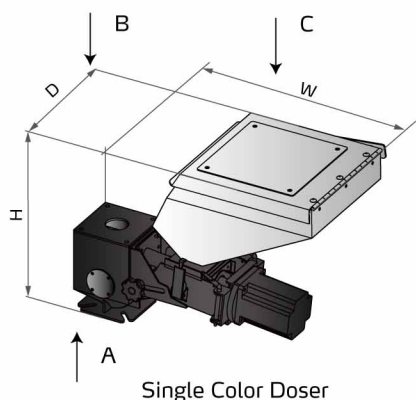
## ■ Application

SCM-EB series volumetric dosers are suitable for injection molding, extrusion blow molding and other occasions, and can be used for auto-proportional mixing of virgin materials, regrinds, master batch or additives. The injection molding machine supports various external signal input modes. When working with the extruder, SCM-EB can adjust the feeding speed automatically with the extruder's processing speed to ensure stable color difference of the product. Besides, double-color doser is available for collocating with multiple color dosers if required. Due to small additives proportion and dosage, SCM-EB can work with the Venturi Loader VL to realize auto feeding of the master batch.

## ■ Working Principle



## Outline Drawings



## Specifications

Model	Single Color Doser				Double-color Doser
	SCM-12-EB	SCM-16-EB	SCM-20-EB	SCM-30-EB	SCM-D-EB
Motor Power (kW, 50/60Hz)	0.06	0.06	0.06	0.06	0.06 × 2
Output Power of Mixer (kW, 50/60Hz)	0.25	0.25	0.25	0.25	0.25
Screw External Dia. (mm)	12	16	20	30	**
Output Capacity (kg/hr)	0.1~10	0.5~30	3~60	8~110	*
Storage Hopper(L)	10	10	10	10	10
Dimensions	H(mm)	420	420	420	420
	W(mm)	585	585	585	1030
	D(mm)	300	300	300	300
Weight	18	18	18	18	30

- Notes: 1) "\*" stands for the output capacity depends on model selected, data of the single color doser can be a reference. For example: SCM-D-12 / 16, output capacity 0.6~40kg/hr(1.3~88lb/hr).
- 2) "\*\*" stands for external dia. of screw is up to model selected.
- 3) The output capacity is obtained by continuous testing under the conditions of masterbatch in material bulk density of 1.2 kg/L, and diameter of 2-3 mm.
- 4) When the master batch hopper is mounted with the auto conveying device, the total weight of the hopper shall not exceed 25KG (including the master batch).
- 5) Power supply: 1Φ, 115/230V, 50/60Hz.

## Options

Low level sensor can be opted to give an alarm when masterbatch is insufficient, and add "LS" at the end of the model code.

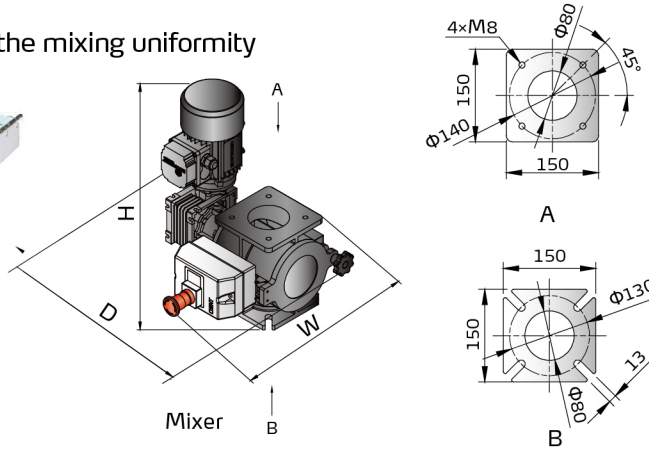
# SCM-EB Series

## Accessory

- Mixer CMB-1 to enhance the mixing uniformity



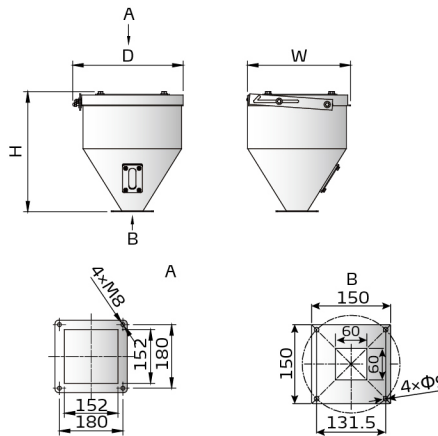
Collocated with the mixer



Model	CMB-1
Power(kW)	0.25
H(mm)	364
W(mm)	347
D(mm)	371

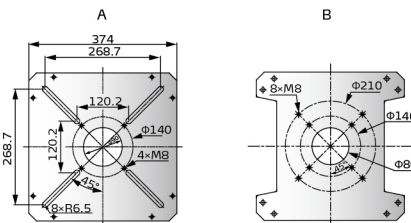
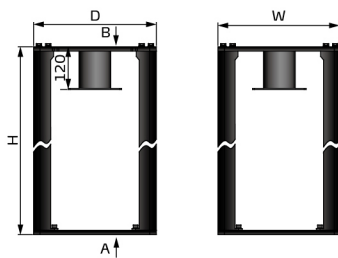
Power: 3  $\Phi$ , 400VAC, 50Hz

- Main material hopper makes it easy for the customer to add materials



Model	MH-15
Capacity(L)	15
Material	SUS201
H(mm)	364
W(mm)	347
D(mm)	371

- Heavy-duty base (Collocate with SEHD/SHD-E-300kg and below or SHD-450U and below model)



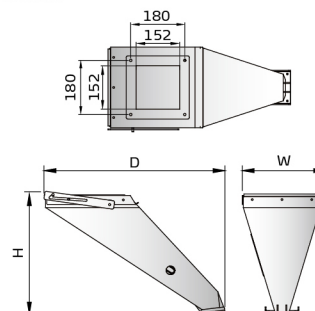
Heavy-duty base dim.

Model	HB-1	HB-2
H(mm)	332	527
D(mm)	374	374
W(mm)	374	374

Note: The model is HB-1 when collocating with standard SCM;

The model is HB-2 when collocating with standard SCM+CMB-1;

- The long hopper is used with the heavy-duty base



Long hopper dia.

Model	LH-15
Capacity(L)	15
Material	SUS201
H(mm)	411
D(mm)	608
W(mm)	281

Note:  
When the long hopper is mounted with the auto conveying device, the total weight of the hopper shall not exceed 20KG (including the master batch).

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