Sumitomo Screw Conveyor Drive Options
Screw conveyor options in right angle and offset parallel designs

Cyclo® Bevel Buddybox (BBB) 4 Series
A right-angle option for screw conveyor drives allows for maximum mounting flexibility. Our smaller size (3A100 - 3B125) Cyclo® BBB4 Screw Conveyor Drives as standard require limited maintenance, with available “no maintenance” options. Quill input and standard C-Face designs are also available. There are also no V-belt drives or associated guards to maintain, replace or cause safety hazards. *

- Power: 1/8 to 60 HP
- Ratio: 11:1 to 26,000:1 (and greater)

Cyclo® Helical Buddybox (HBB)
Utilizing the Cyclo reducer mechanism in an offset-parallel design--Sumitomo offers screw conveyor options with C-Face designs. Smaller sizes (Z6090 - B6125) as standard require limited maintenance, with available “no maintenance” options. There are also no V-belt drives or associated guards to maintain, replace or cause safety hazards. *

- Power: 1/8 to 40 HP
- Ratio: 11:1 to 26,000:1 (and greater)

Helical Shaft Mount (HSM)
Screw Conveyor Drive Option available for sizes 107 through 407. Mounts to standard reducer--no modifications required. Other output features are also available. *

- Power: 1/4 to 100 HP
- Ratio: 5:1 to 25:1

* All Screw Conveyor Packages consist of an adapter kit and a screw conveyor drive shaft that meets CEMA dimensions.
Features & Benefits

- 25° gear pressure angle on HSM ~ For higher ratings and maximum torque
- Cycloidal speed reduction technology for Cyclo® BBB4 and Cyclo® HBB ~ High torque density and compact size
- CEMA standard screw conveyor options ~ Screw Conveyor Kits available for Cyclo® BBB4, Cyclo® HBB and HSM products
- Double output seals for Cyclo® BBB4 and Cyclo® HBB ~ Virtually leak-free operation and optimal protection from lubrication contamination

Screw Conveyor Applications

From Top Left (Clockwise): Cyclo® BBB4 in Grain Handling, HSM in Food Processing, Cyclo® HBB in Wastewater Handling and Cyclo® BBB4 in Petfood Processing.

Screw Conveyor Options are Ideal for:

- Forestry
- Wastewater Treatment
- Animal and Pet Feed
- Grain Handling
- Food & Beverage
- Mining

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