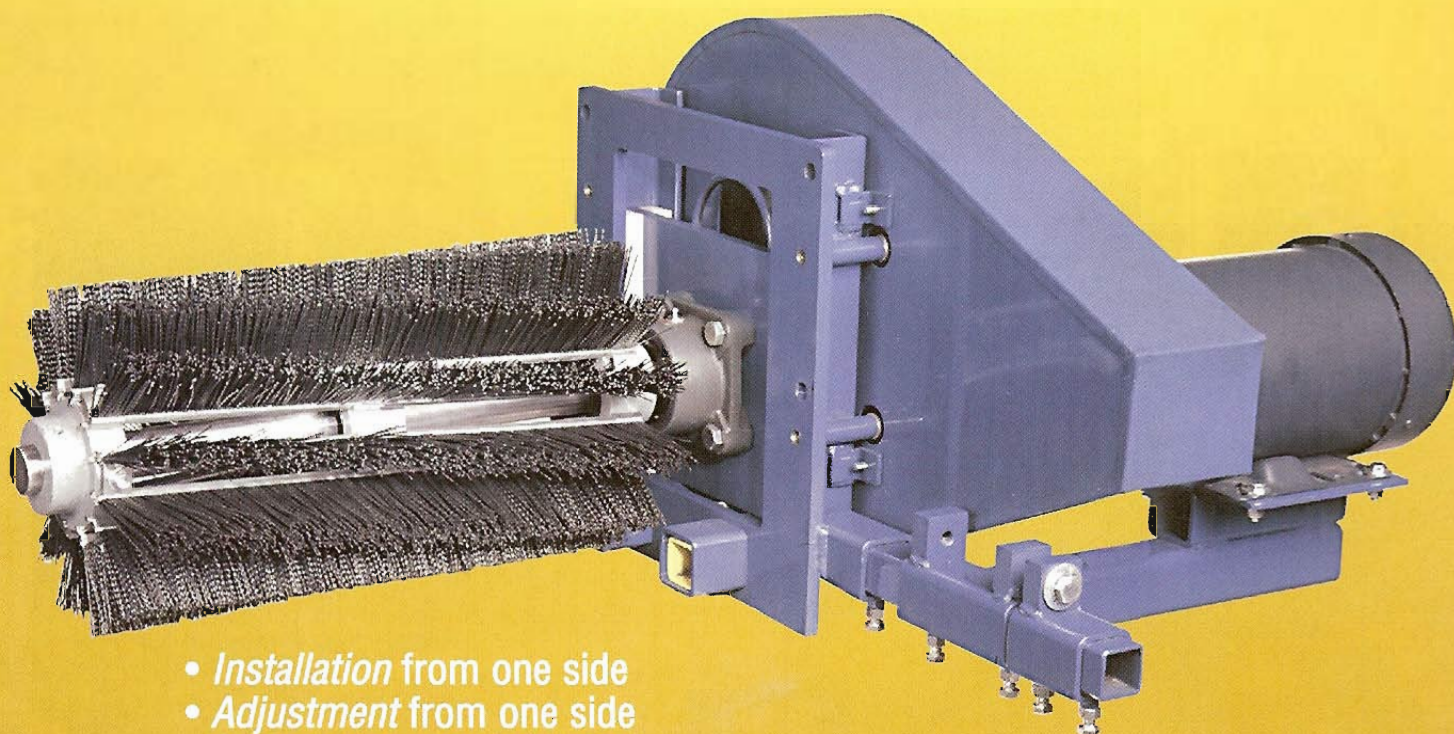


# **new!**

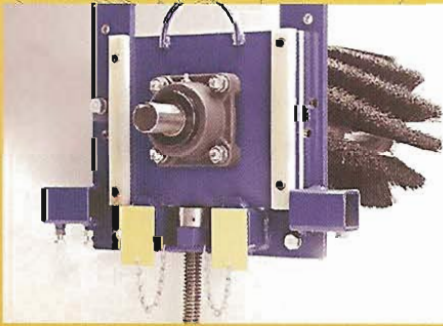
## **CANTILEVER ROTARY BRUSH CONVEYOR BELT CLEANER**



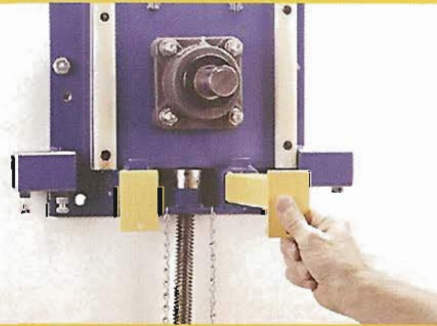
- *Installation* from one side
- *Adjustment* from one side
- *Maintenance* from one side
- Helical brushes clean the best
- It fits in tight places
- Installs in chutes or on conveyor framework



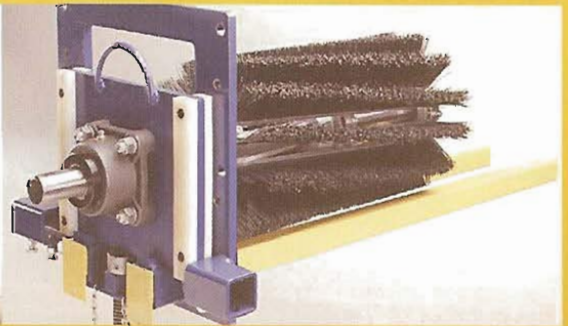
# BIRC



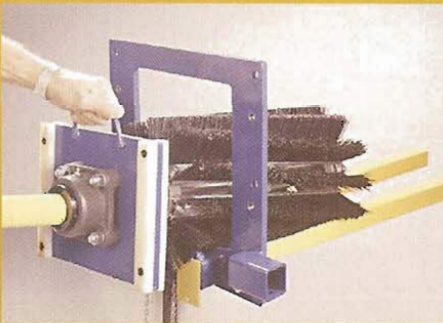
Cleaner installed with motor, pulleys, and guard removed.



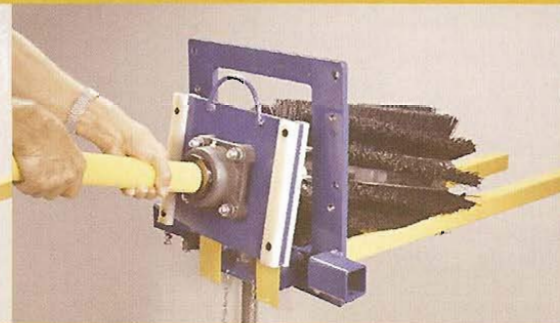
To replace brush, first remove two cover assemblies and insert two brush guide tubes (supplied).



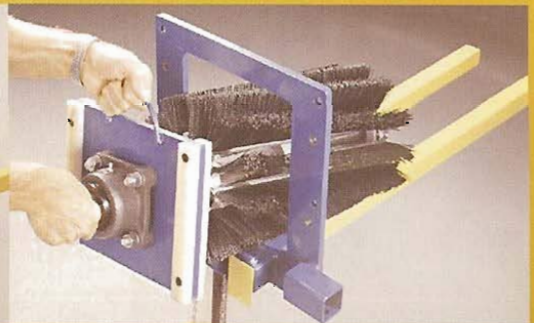
Unit with motor removed and brush guide tubes installed.



Remove brush, shaft and bearing assembly with brush tubes assisting.



To reinstall brush shaft and bearing assembly use leverage tube and brush guide tubes to assist installation.

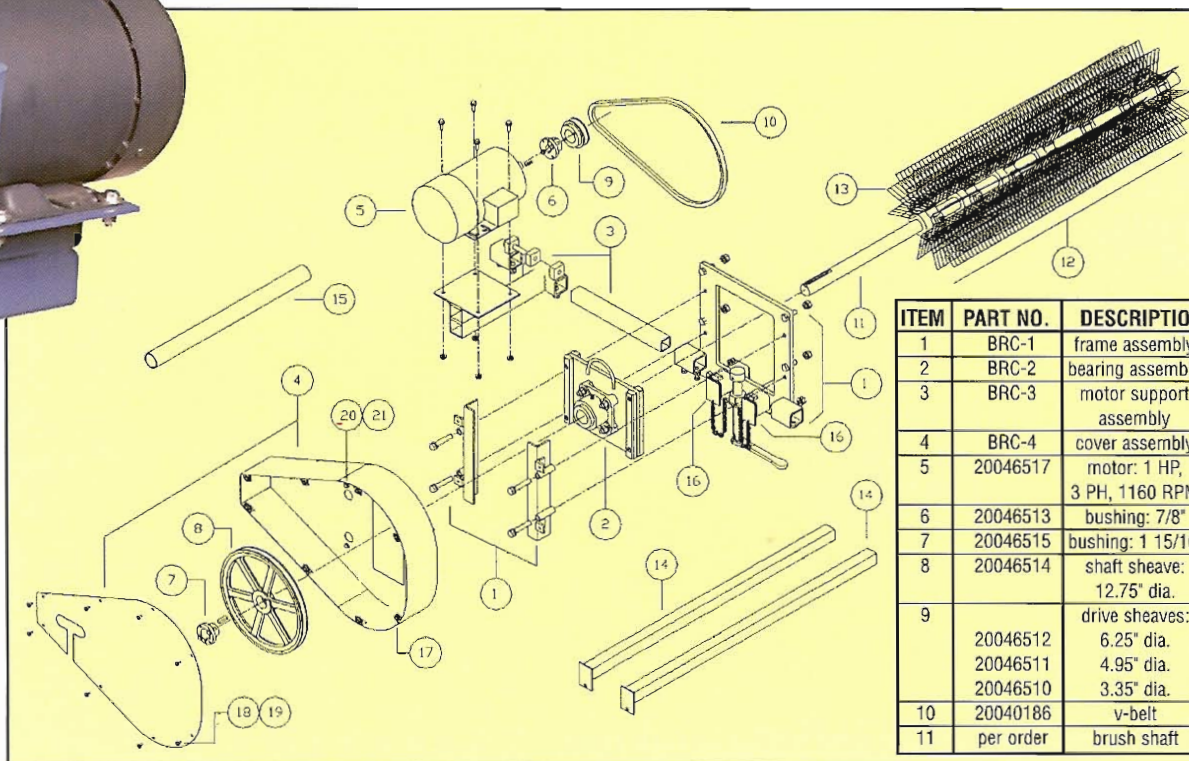


Use leverage tube to tilt brush assembly upright for bolting to flange. Reinstall motor, pulley and guard.



# new! CANTILEVER ROTARY BRUSH CONVEYOR BELT CLEANER

The BRC can be mounted on either side of a conveyor, and the motor/cover can be mounted left-hand or right-hand. The frame should be located directly under the head pulley, or other location where belt is supported against excessive vertical movement.



## MODEL BRC PARTS LIST

ITEM	PART NO.	DESCRIPTION
1	BRC-1	frame assembly
2	BRC-2	bearing assembly
3	BRC-3	motor support assembly
4	BRC-4	cover assembly
5	20046517	motor: 1 HP, 3 PH, 1160 RPM
6	20046513	bushing: 7/8"
7	20046515	bushing: 1 15/16"
8	20046514	shaft sheave: 12.75" dia.
9	20046512	drive sheaves: 6.25" dia.
	20046511	4.95" dia.
	20046510	3.35" dia.
10	20040186	v-belt
11	per order	brush shaft

ITEM	PART NO.	DESCRIPTION
12	per order	model HS brush assembly
13	per order	model HB replacement bristle strip set
14	BRC-6	brush guide (ea.)
15	BRC-7	leverage tube
16	BRC-8	plug tube/ chain assembly (ea.)
17	20040354	10-24 U nut ( ea. 8 used on cover)
18	22011088	10-24x1 1/2" RHM screw (ea. used on cover)
19	20013063	#10 SAE washer (ea. 8 on cover)
20	22011090	1/4-20x3/4" HHC screw (ea. 4 used on cover)
21	20203061	1/4" washer (ea. 4 used on cover)

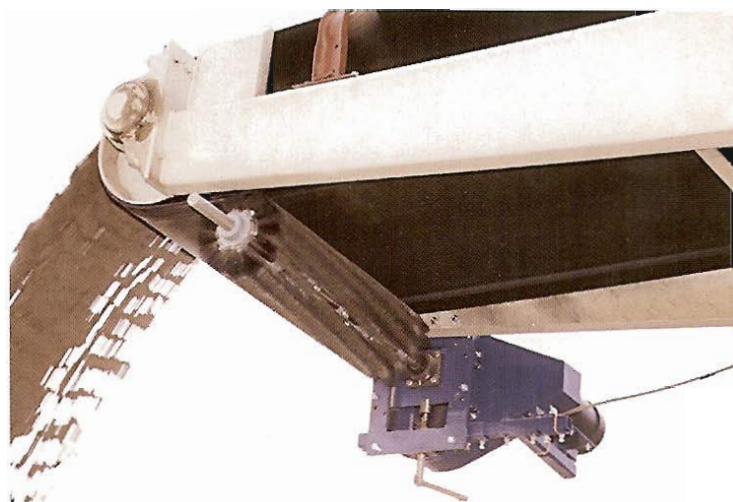
The new Model BRC brush type conveyor belt cleaner is easy to install, easy to adjust, and easy to maintain. It is the best way to clean conveyor belts.

The unit is designed using the cantilever principle which permits mounting on only one side of the conveyor frame. A 3 phase electric motor is used to drive the helical open-faced brush. Brush pressure is easily adjusted by a special square thread screw and ratchet assembly. A choice of pulley sheaves permits field adjustment of brush speed. The cleaner is designed to fit all conveyors—just "poke it in" where needed and the brush will do its job. An opening of 9" wide x 11" high is all that is needed.

The BRC cleaner uses the finest brush available: an open-faced helical brush consisting of twelve (12) bristle strips clamped in cast iron hubs. Replacement bristle strips are easily and quickly inserted. Nylon, polypropylene and oil-tempered wire bristles are available.

Our helical brush is a superior way to clean belt conveyors compared to urethane scrapers and metal blades. The open face construction of the brush with gaps between the bristle strips is self-cleaning and does not load-up even with the stickiest materials. The helical shape assures smooth, even brush contact with no noise or beating action.

Our engineering department welcomes an opportunity to assist in proper selection of brush cleaning equipment.



## TYPICAL APPLICATIONS INCLUDE:

- AGGREGATE • CEMENT • CEREAL • COAL • COKE
- COPPER ORE • FEED • FERTILIZER • FOODS
- FOUNDRY SAND • GLASS PARTICLES • IRON ORE
- LEAD ORE • LIMESTONE • METAL CHIPS
- PHOSPHATE • PLYWOOD (DUSTING) • PULP CHIPS
- SALT • SAND • SINTER • SUGAR • TACONITE ORE, ETC.



## INSTALLATION INSTRUCTIONS:

1. Model BRC can be mounted on either side of the conveyor. The motor/cover can be mounted left hand or right hand.

2. The frame of the conveyor belt cleaner should ideally be located so that the brush is directly under the center line of the head pulley. However, it can be mounted at any point where access to the belt is available. It is helpful if the cleaner is mounted at a point on the conveyor close to a return idler where there is no vertical flapping of the belt.

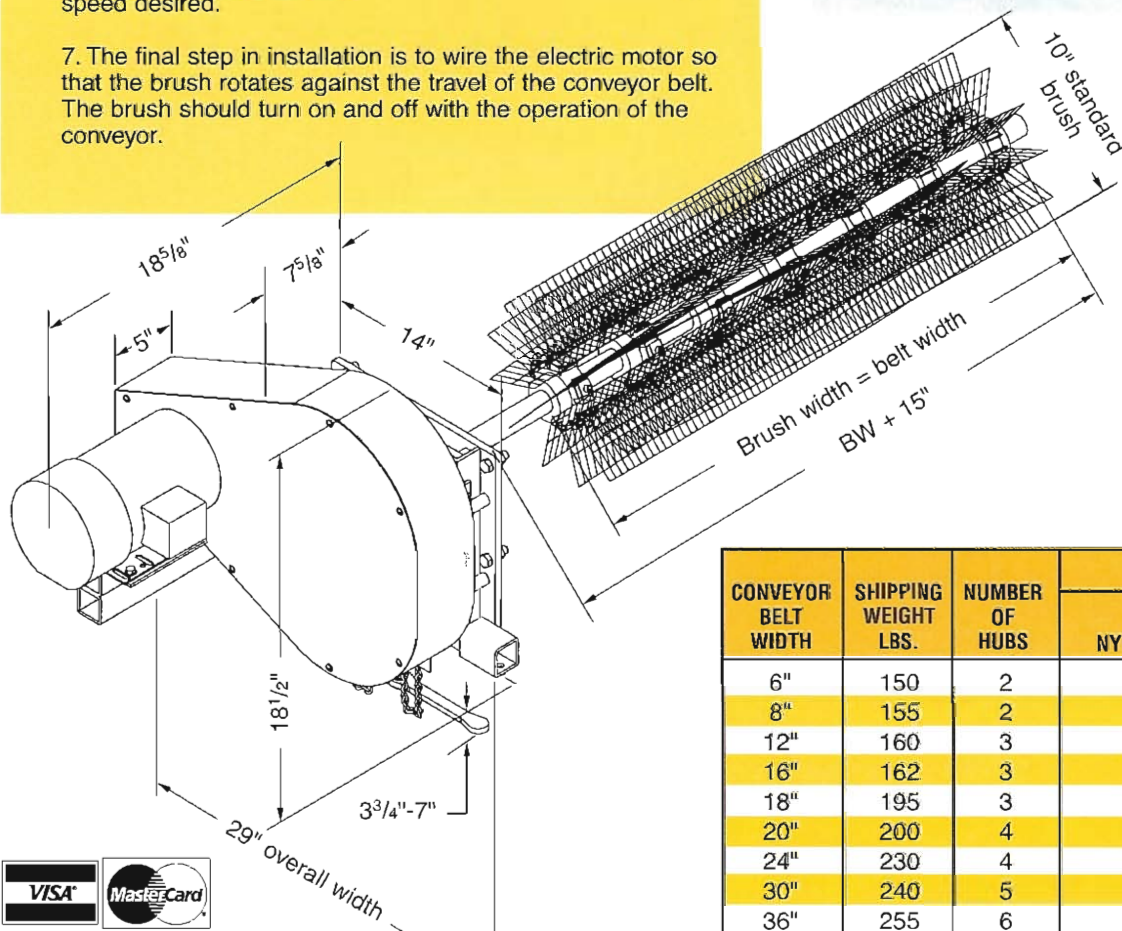
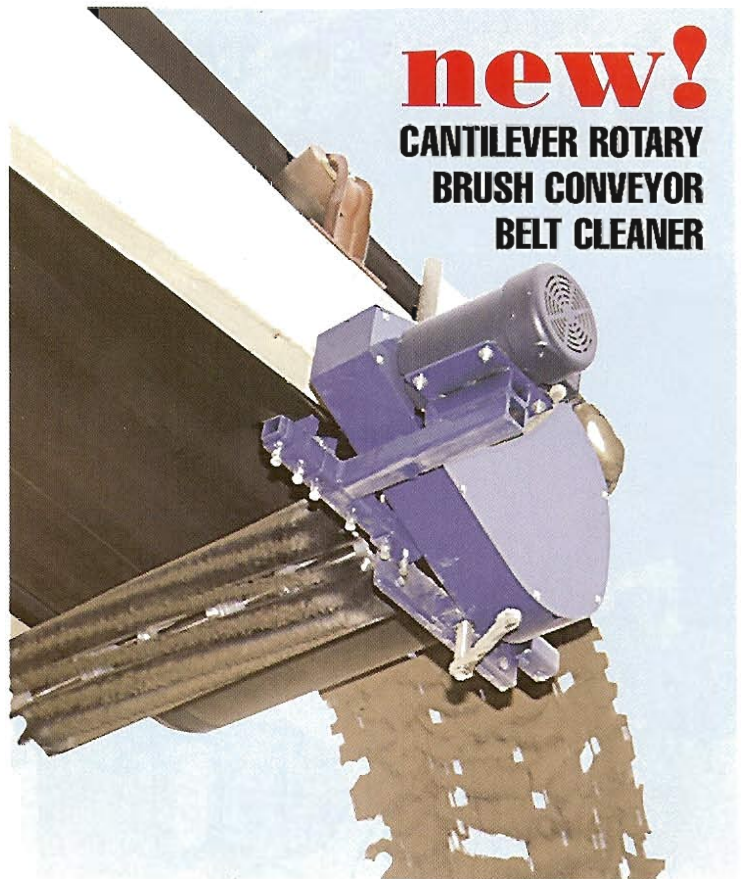
3. An opening 11" high x 9" wide is required for the brush assembly. Mounting holes are located using the cleaner frame as a template. Holes are drilled and the frame is mounted using 1/2" hex-head cap screws, lockwashers and nuts.

4. The installation proceeds with the brush shaft and bearing assembly being installed with the brush centered under the belt. The shaft can be cut to the desired length.

5. The unit has two unique installation tubes that are mounted temporarily in the frame. The brush assembly then can be inserted under the belt using the tubes as support during the assembly process. The brush assembly is inserted through the frame opening and tilted into place using the leverage tube provided with the unit.

6. The motor mount assembly and the motor are then installed. The proper pulley sheave is installed for the brush speed desired.

7. The final step in installation is to wire the electric motor so that the brush rotates against the travel of the conveyor belt. The brush should turn on and off with the operation of the conveyor.



## MODEL BRC CANTILEVER ROTARY BRUSH CLEANER INCLUDES:

Brush, motor, belt and belt guard, shaft, bearings and drive mechanism. Helically shaped brush includes 12 bristle strips and hubs. (Assembled)

CONVEYOR BELT WIDTH	SHIPPING WEIGHT LBS.	NUMBER OF HUBS	BRISTLES		
			NYLON	POLYPROPYLENE	WIRE .010 OIL TEMPERED
6"	150	2			
8"	155	2			
12"	160	3			
16"	162	3			
18"	195	3			
20"	200	4			
24"	230	4			
30"	240	5			
36"	255	6			

