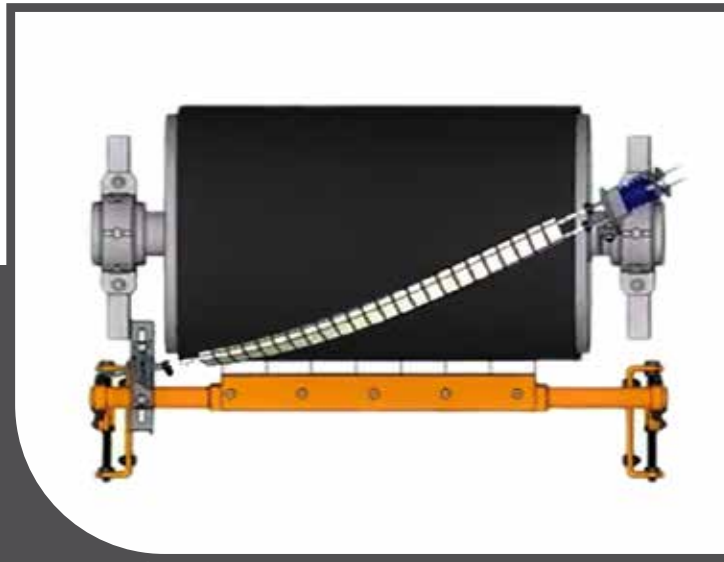




# A NEW DIMENSION OF BELT CLEANING



TechProPlus, USA supplies newest type of belt scraper, totally different from the conventional scrapers. The ceramic scraper eliminates residues to keep the belt surface clean for the lasting period of time. Our belt cleaning technology helps bulk material handling facilities accomplish their goals for safety, cleanliness, environmental compliance and operating efficiency. With quick and easy installation the ceramic scrapers are the most recommended scraper for many tough applications.

## Structure of belt cleaner's ceramic components



The special designed ceramic scraper consists of alumina ceramic segments which are extremely resistant to the effects of abrasion, corrosion and can operate continuously upto 250°C.



Ceramic tip  
(Side view)

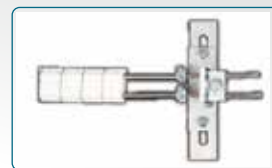
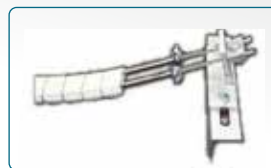
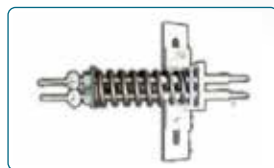
Ceramic tip  
(Rear view)

Ceramic tip  
(Top view)

Ceramic tip  
(Bottom view)

## Belt cleaner holder

Newly improved spring tensioned and fixed side holders are shown here. With the new holder, the scraper installation become easy as the wires can be adjusted individually. In addition, the ceramic tips can come in contact with the conveyor belt more closely to improve cleaning efficiency. The ceramic scraper is installed diagonally across the head pulley for efficient conveyor cleaning.



## Conventional cleaner (Scraper)



In conventional belt cleaner, tips are installed perpendicular to the belt surface resulting in high friction between the belt and the scraper. The tungsten carbide and polyurethane scrapers can damage the belt and are best suited as secondary scraper. The conventional scraper takes longer time and large area to install. They are not recommended for high temperature material transport.

We Provide Technical Solutions Rather Than Just Offering Products.

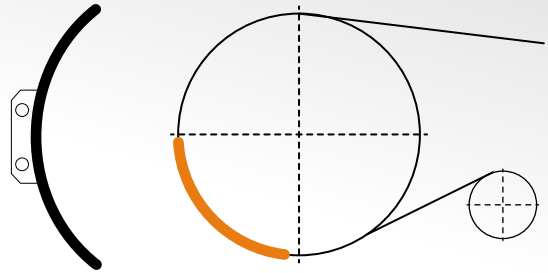
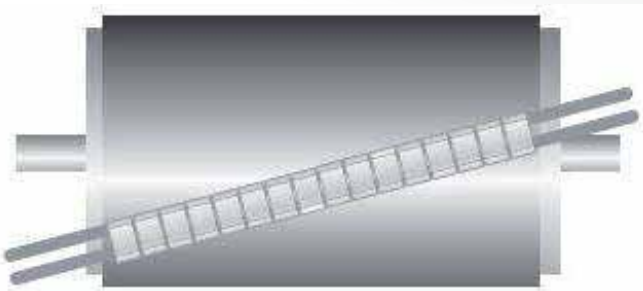
## Maintenance free: A new design ceramic belt cleaner

With simple and lightweight structure, our ceramic scraper is easy to install on site. Its blade edge, which is one of the most important elements of a belt cleaner, is made of a high quality ceramic material. Due to its high resistance to abrasion, it can maintain cleaning power for a satisfactory period of time. Our belt cleaner has earned a reputation of having the best cleaning capability in the industry.



## Ceramic scraper life

The ceramic scraper can be in operation for more than one year or longer (the abrasion rate of the tip varies depending on the transport object). Recommended for dry, abrasive and high temperature material transport, the service life of ceramic scraper is approximately 12 months for sinter & iron ore and approximately 15 months for limestone & coal. The cleaning efficiency of the scraper is superior due to the persistence of the power from abrasion of the chips. The service life of ceramic scraper depends on operating conditions.



Easy and quick to install with minimal modification

Suitable for cleaning dry, abrasive or high temperature material

Tips are installed at an angle to clean the belt surface sharply

The light weight structure improves scraper service life

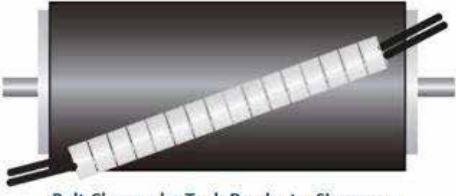

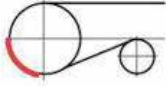
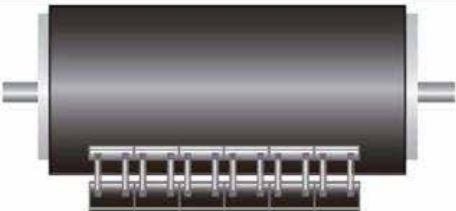

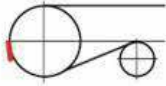


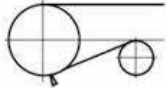
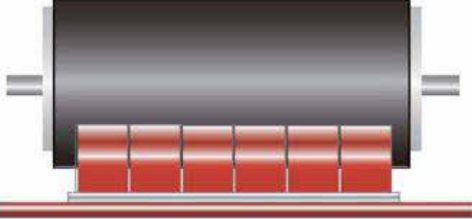

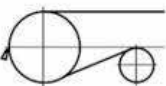
Suitable for wide range of belt speeds

Removes material carry back and minimizes accumulation



We Provide Technical Solutions Rather Than Just Offering Products.

## Installation position of ceramic scraper

 <p>Belt Cleaner by Tech Products, Singapore</p>		<p>Cleaner service life:   Approx. 12 months (W = 1200)            Installation time:     Approx. 2 hours            Cleaner replacement time   Approx. 30 minutes</p>  <p>Overall rating: ©</p>
		<p>Cleaner service life:   Approx. 3 months (W = 1200)            Installation time:     Approx. 5 hours            Cleaner replacement time   Approx. 2 hours</p>  <p>Overall rating: x</p>
		<p>Cleaner service life:   Approx. 2 months (W = 1200)            Installation time:     Approx. 5 hours            Cleaner replacement time   Approx. 2 hours</p>  <p>Overall rating: ▲</p>
		<p>Cleaner service life:   Approx. 3 months (W = 1200)            Installation time:     Approx. 5 hours            Cleaner replacement time   Approx. 1 hours</p>  <p>Overall rating: x</p>