

Unique design, very easy to install.

Less wear results in longer life with substantial cost savings cost savings.

Use of low weight soft rubber polyurethane makes it user friendly, safe to handle and reduces the risk of injury.

Noise reduction by 50% as compared to metallic liners.

Low friction Polyurethane elastomeric liner increases the flowability of material.

Jamming of material virtually eliminated in wear plates resulting in increased production.

Elimination of moving parts at conveyor loading station using impactor Pads thereby considerably reducing maintenance and downtime.

Increased belt life due to smooth loading, elimination of snags and absorption of load by Impact bar.

Smooth sliding of belt on low friction Polymer Impact Pad.

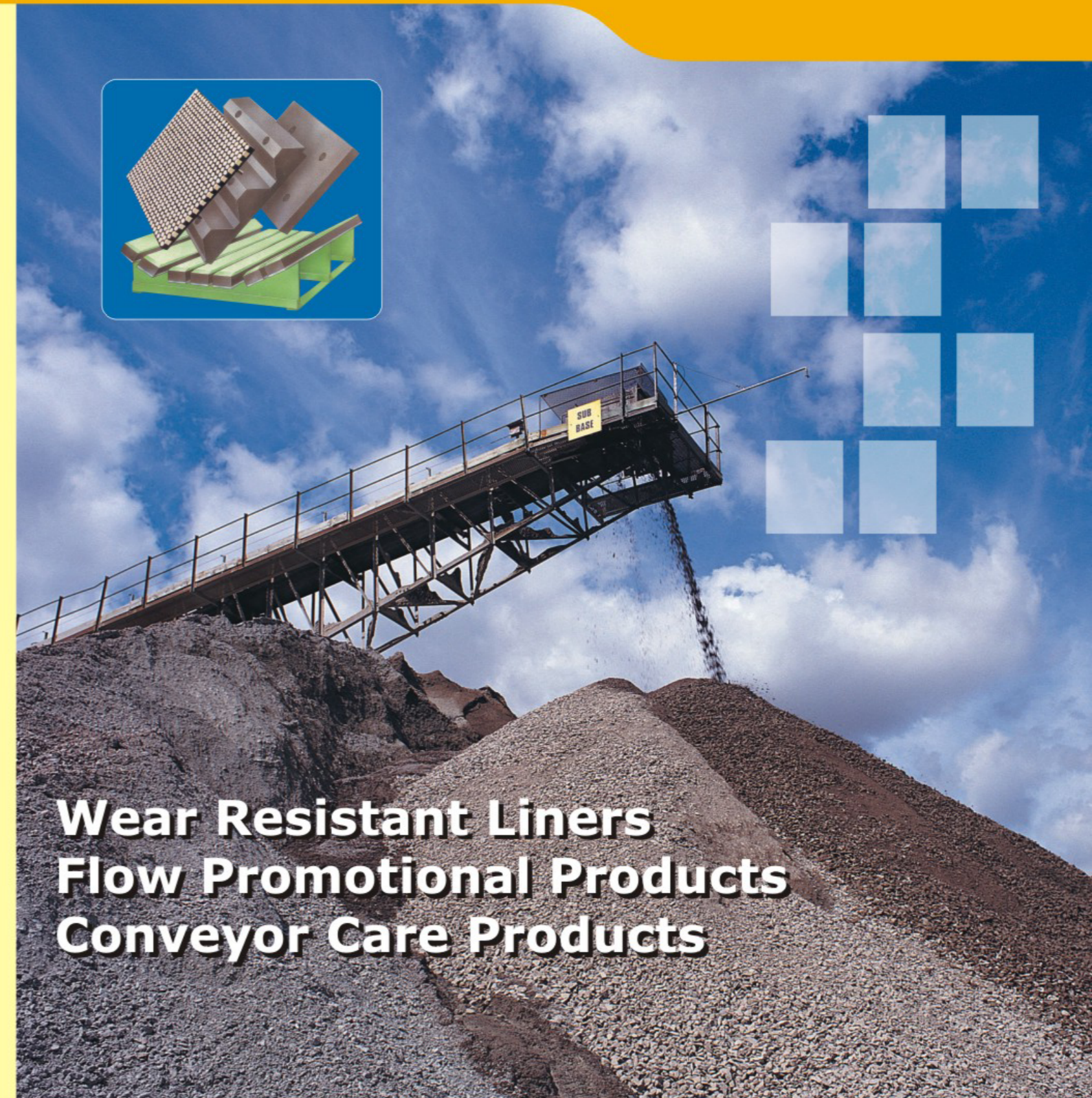
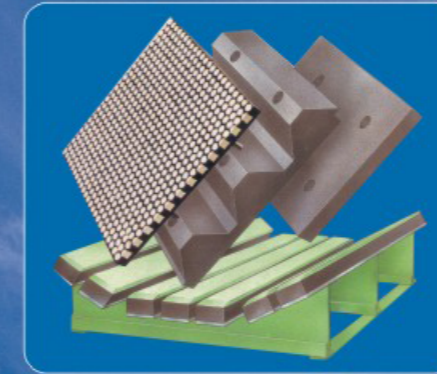
Cushion rubber pad for absorbing material impact.

Suitable for all belt width and roughing angles.

Specially designed scrappers for clip joint belts, thermal cracked belts and belt handling hot, dry and fine materials.

Protection of work environment by limiting dust generation.

One time investment in Jyoti CERO Products results in recurring saving on frequent maintenance



## **Wear Resistant Liners Flow Promotional Products Conveyor Care Products**

**“JYOTIRubb” Plain**

Smooth Rubber Wear liners are available in widths up to 500mm and a length up to 1000mm. Overall thickness is available from 10mm to 150mm. Steel backing plate is supplied with thickness varying from 3mm to 8mm depending on the rubber thickness and/or application.

Hole drilling is done to a standard pattern (Fig.1). Special drilling to customer requirement is available. Attachment can be either through-bolts with a washer and nut on the outside of the steel structure or welded studs if through bolting is not possible. In both cases the holes are sealed, by use of rubber plugs, after filling as shown in the Fig.1

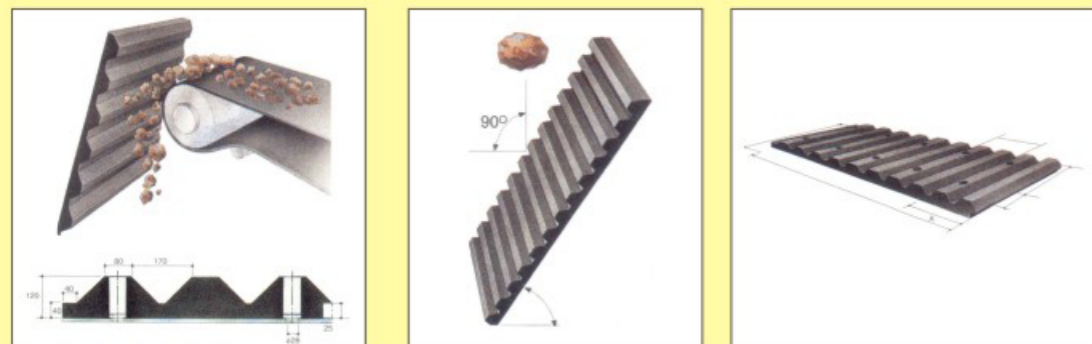


Fig.2

**“CERO Rubb” Profile**

There are many applications where the material flow strikes the wear surface at sharp angles. This reduces the dampening effect of the rubber, resulting in increased rate of wear. If the lining material is profiled, the material will impact on the rubber wear liner at a more favourable angle (i.e. as close to 90° as possible). This correction will dramatically reduce the wear rate and significantly increase liner life. Steel backed profiled rubber wear line are available in widths of 400mm or 500mm and a standard length of 1000mm. Total thickness is either 80mm or 120mm, including a steel backing plate of 5mm. Hole drilling is done to a standard pattern (Fig.2). Attachment can be either through bolts with washers and nuts on the outside of the steel structure, or a welded stud if through bolting is not possible. In both cases the holes are sealed after fitment with rubber plugs, (as shown in Fig.2).

Typical application for this type of rubber wear liner include: chutes launder, skips, belt loading points and gravel and ore bins.



**“CERO Rubb” Composite**

This is a new generation composite product combining a very high wear resistant surface of cylindrical alumina ceramic pellets bound within a resilient rubber base. The extremely hard ceramic surface provides exceptional resistance to wear, while the elastic property of the rubber dampens the impact forces.

The fact that each ceramic pellet is completely surrounded by rubber enhances the already outstanding wear resistant properties of the ceramic surface.

The increase in liner life can vary between four to twelve times, depending on the application. Replacement of liners in difficult areas is both costly and time consuming, at the same time the loss of production can often exceed the cost of the wear plate. The increased liner life achieved using this product will more than compensate for the additional cost. The plates comes into standard sizes (300mm x 300mm x 30mm and 500mm x 500mm)h x 30mm). The plates are manufactured with a steel backing suitable for stud welding. The stud welding can be done either by the customer or at our factory.

**Jyoti CRO Products**

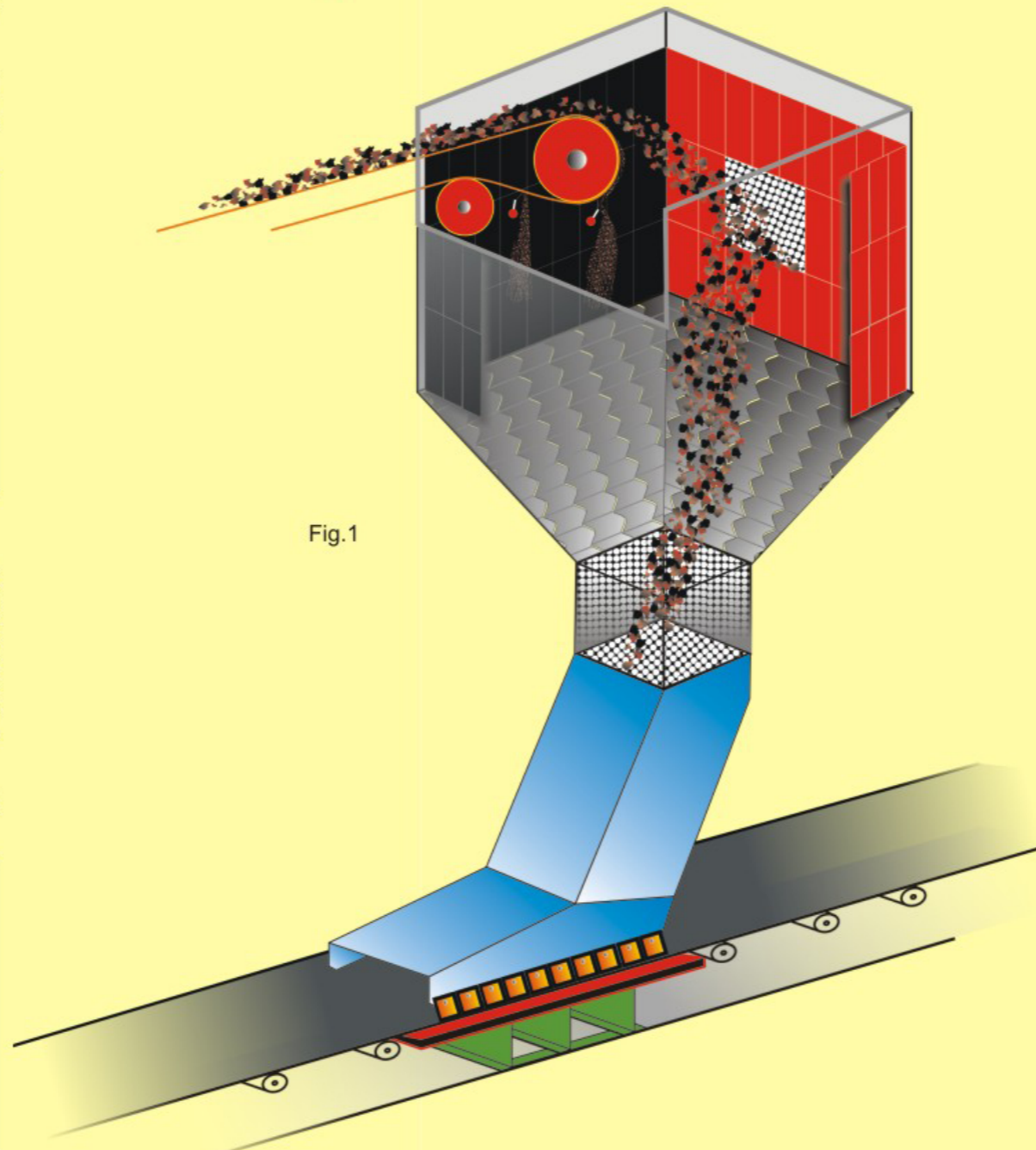
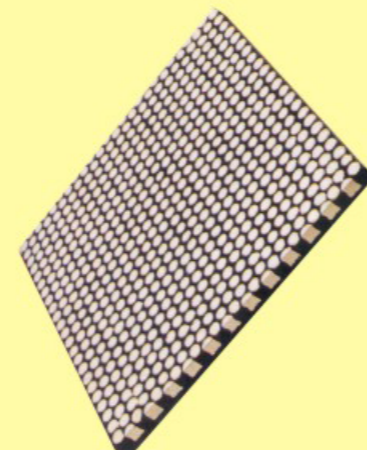


Fig.1

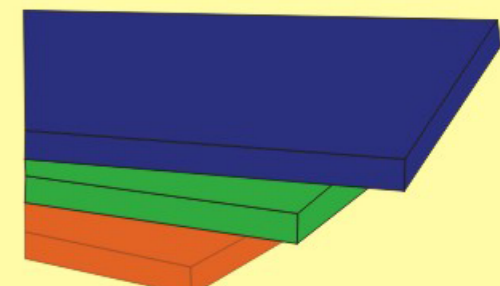


**“CERO Zip Rubb” Poly -elastomeric**

“CERO Zip Rubb” is a series of liner pads made of tough polyurethane elastomers which is capable of out performing many polymers like Density Polyethylene (HDPE), Polyvinyl Chloride (PVC), Styrene Butadiene Rubber (SBR), Natural Rubber, Thermo Plastic Olefin (TPO), Ultra High Molecular Weight Polymer (UHMW), Copolyester/ether (COPE), Carbon Steel (CS) and Hardened Steel (AR Steel). Its hardness ranges from 10-15 shore A which is softer than a gum eraser to over 90 Shore D much harder than a Golf ball.

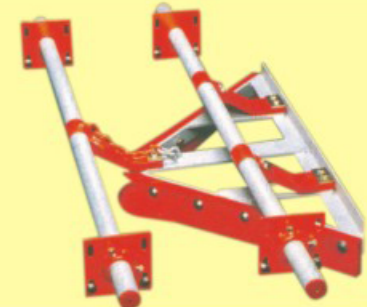
Elastomeric Polyurethane provides long trouble free and noise free operations. It combines flexibility, high load bearing capacity, excellent abrasion, oil, solvent and chemical resistance because of its ability to combine a number of properties in one material.

It is available in standard size of 1000mm width and 2000mm length and thickness of 5mm to 100mm in different colours as per customer's requirement.



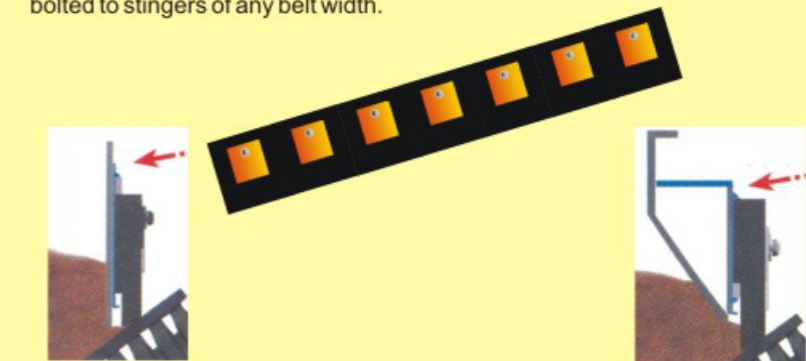
**“CERO Seiso” Scrapers**

The Primary “CERO Seiso”, Secondary “CERO Seiso”, and internal “CERO Seiso”, are manufactured with replaceable ceramic, Polyurethane and SS tips to meet the customer requirement for belt width 600mm to 1400mm.



**“CERO Seiri” Side Skirts**

“CERO Seiri” Side Skirts are manufactured with rubber and Polymer fusion bounded material in pad size of 250 x 259 x 30mm. These pads are arranged with male/female grooved arrangement for adjusting the profile of belt at loading point and fastened to the steel frame structure/work and bolted to stingers of any belt width.



**“CERO Sumo” Impact Pads**

“CERO Sumo” Impact Pads are manufactured from the finest materials combining a top layer of ultra – high molecular / low friction polyethylene, bonded a base of specially compounded rubber for high-energy absorption.



Both materials are able to operate at temperatures up to 850c and withstand the presence of oil, grease and most industrial chemicals normally present at these location.