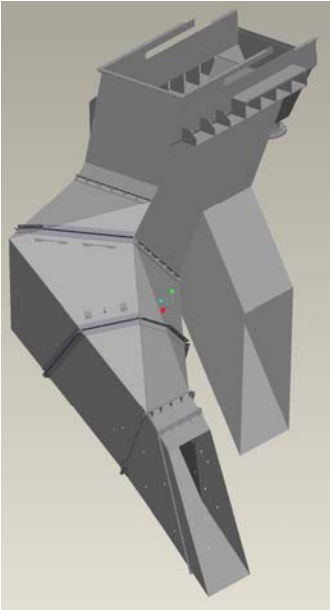




INDUSTRIAL LTD REVOLUTION

Chrome Carbide and Tungsten Carbide Clad Wear Plate



Using many wear resistant techniques and wear products, Industrial Revolution Ltd designs and manufactures chutes and bins to solve problems such as product hang up, corrosion, impact damage, wear damage or any combination of the these situations.



The chute above has the gate shown to the side in it to divert product to either outlet. A replaceable wear plate sleeve was manufactured and is replaced approximately once a year. Before the modification the diverter was changed every 6 weeks.

The chute also has wear plate with studs welded on the back, bolted through the shell for easy replacement.

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This chute had to match up to existing equipment. The inlet and outlet locations were measured and documented. The surrounding environment nearby was also confirmed to ensure no interference with the new design. From analyzing the existing chute it was seen that there was some areas of very high wear and some bottle necking occurring.

This design along with the clad wear plate solved many problems the customer was experiencing.

The plates are welded into place in this situation. When the customer wants to replace a plate it is cut out with an arc air gouger and a new plate is installed. They are welded strategically with only small stitch welds.

On some chutes the exits are pipes, or sometime other strange shapes. In these locations we will make a removable plate and clad it with our PTA machine. With this flexibility of manufacturing we can ensure any shape is capable of being protected. Also the chutes can be designed to optimize flow or hold back without having to worry about wear issues.

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