

2020 Edition

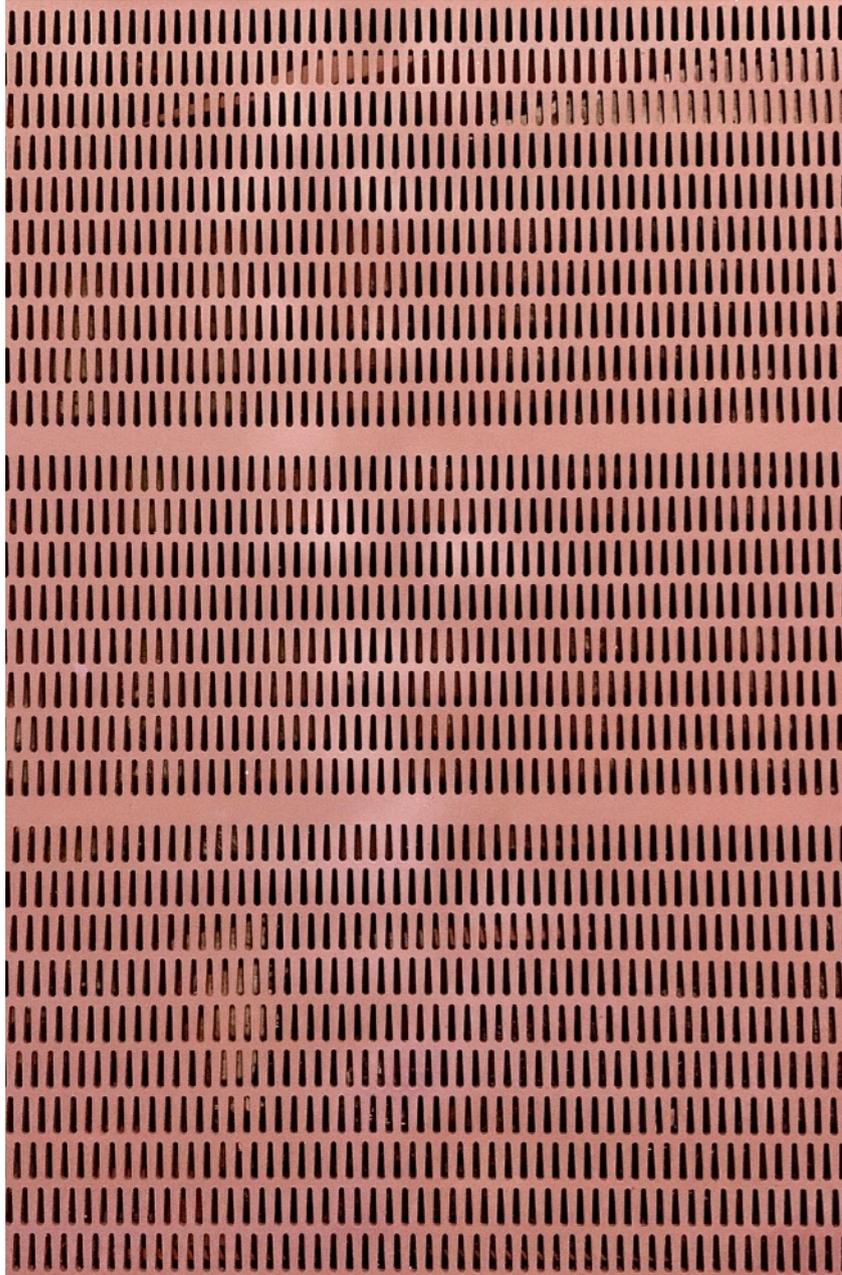
Utkal Engineers P Ltd

Screening

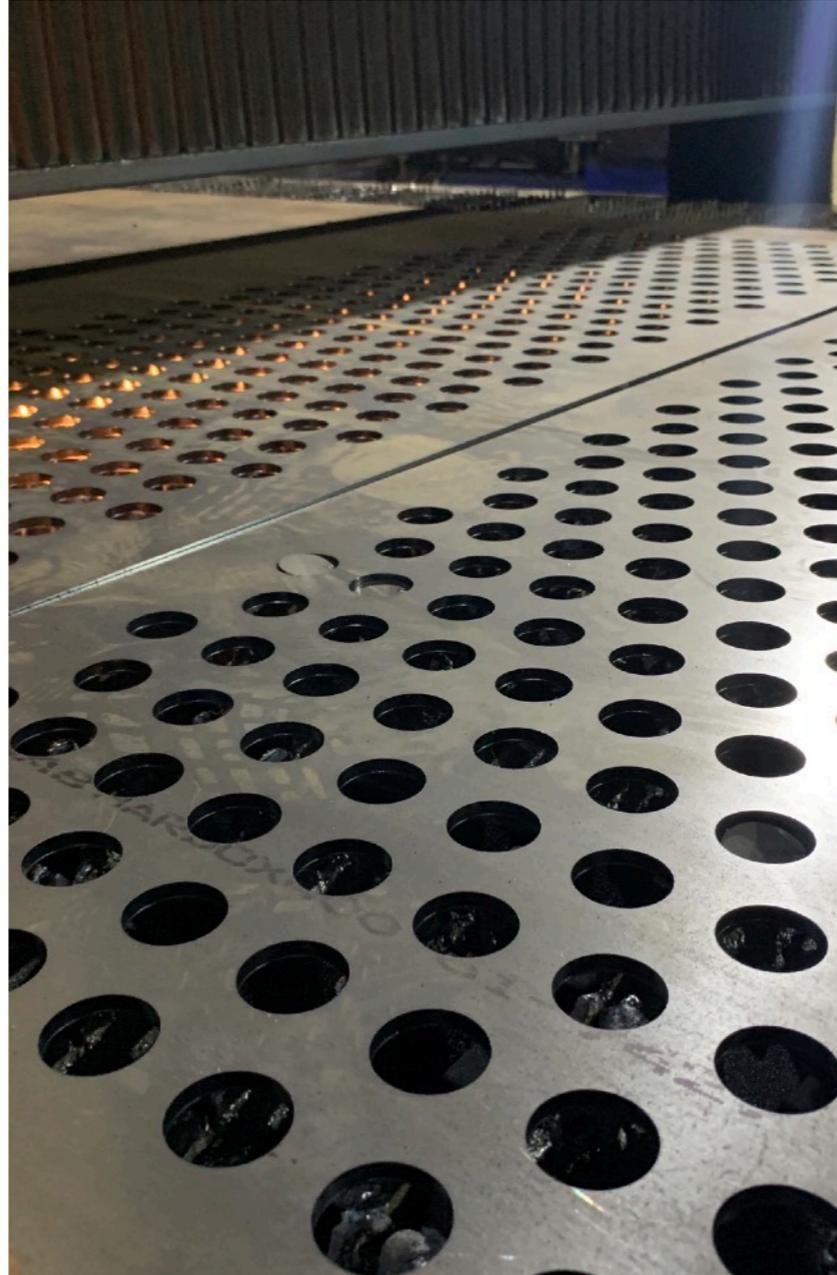
Screening with Hardox

**Different Shapes, Sizes
and Applications**

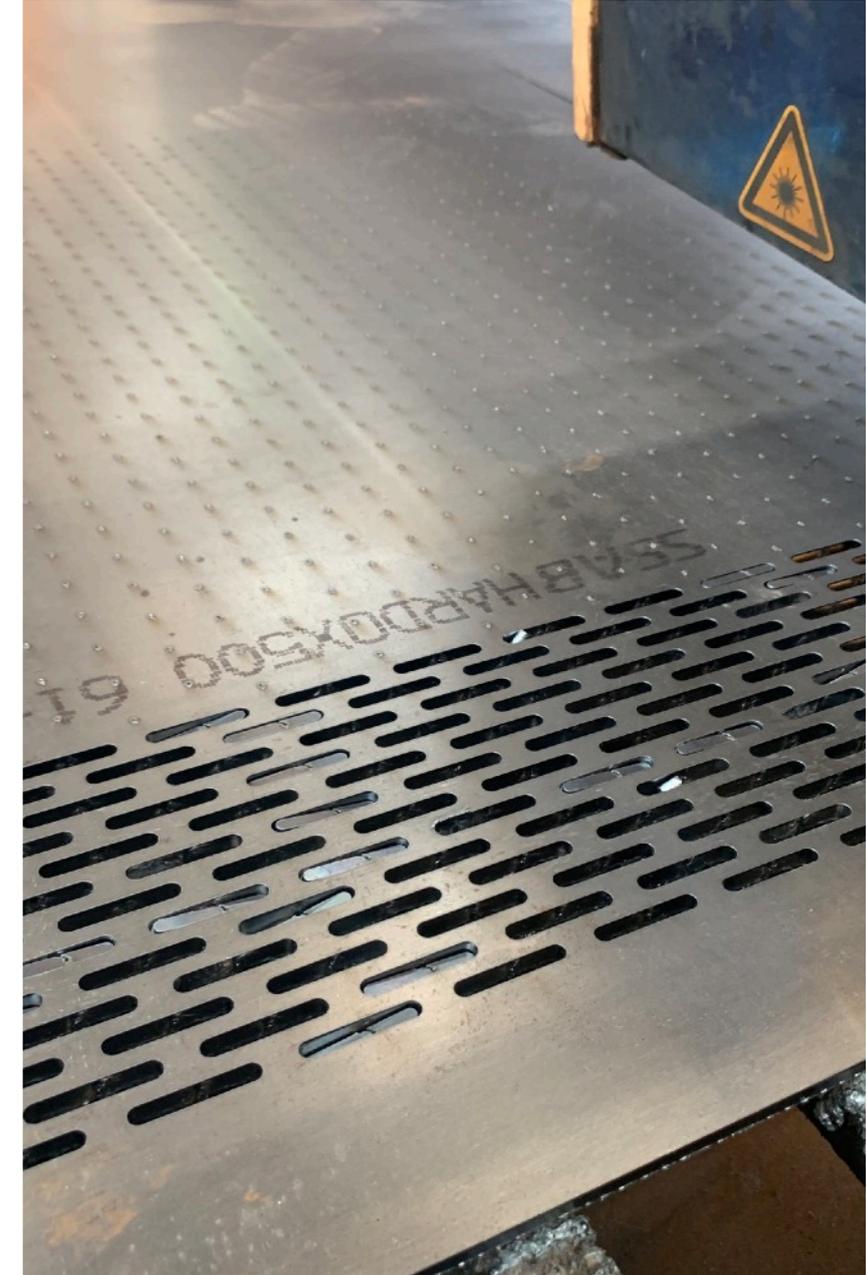
01 Shapes



Tear Drop Shaped Screens with Hardox 500 used in Sinter screening in all Steel Plants.



Round shaped Screens used in Crusher industry for screening different sizes



Screens used oblong in Many industries like Pellet plants.

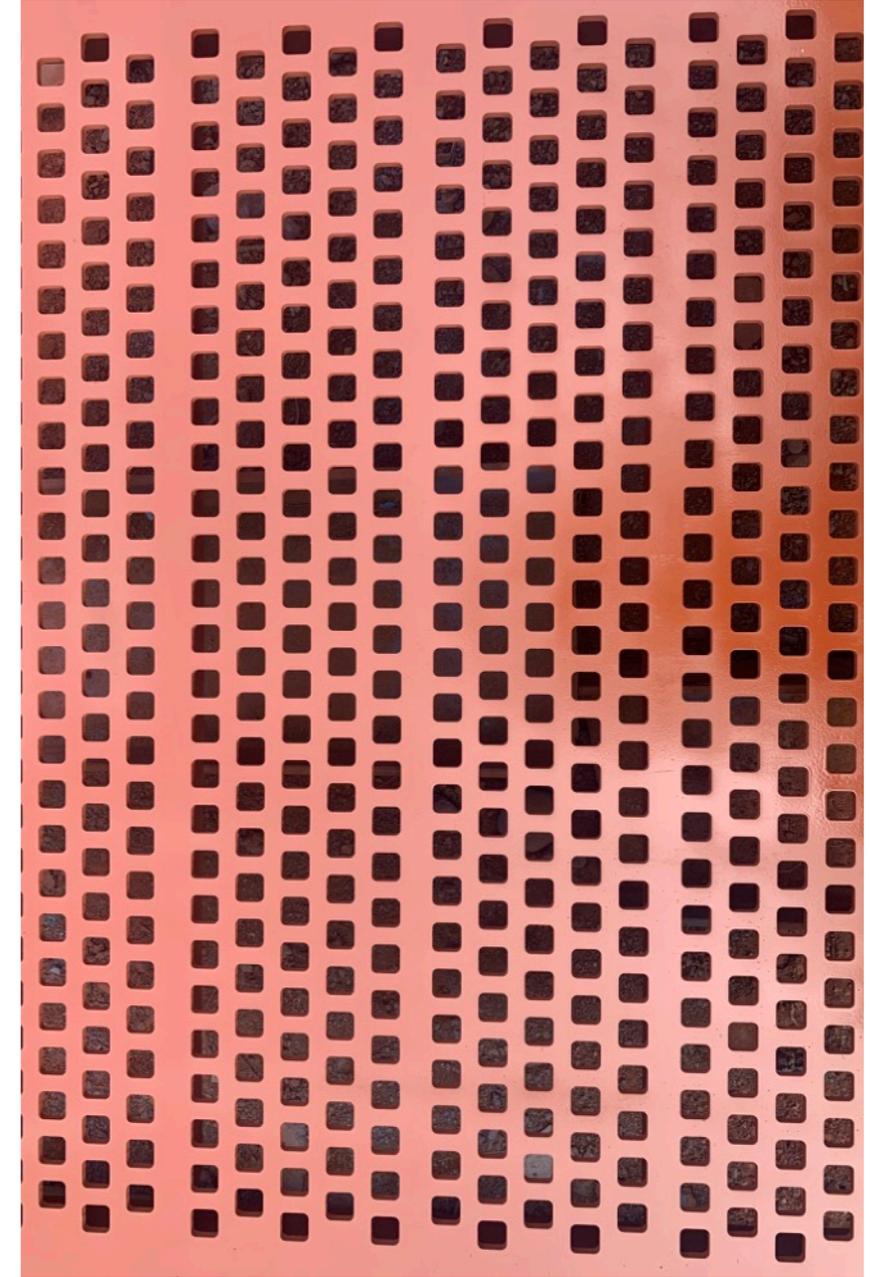
02 Shapes



Bend Screens with Slots and Tear drop for Pulveriser.



Coal Screening in Power Plants. 40/50 mm Hardox 400



Square screening of Coal/ Iron ore

03 Shapes



04 Shapes



Screening for Iron Powder in Pulveriser.

Initially the customer used Mild steel screen and had a various problems

Round screen used did not last long and got damaged within 10-15 days and was replaced due to impact. Also screening area was limited. Thickness used earlier 1mm to 6mm

Solutions Provided with 3 mm Hardox 500 & 5 mm 450

Design changed to Slots, Tear drop, and Round for different stages.

Results: This resulted in Higher screening performance, Life increased by many folds not damaged yet over 6 months of use. Smallest size of slot provided with 0.3 mm slot in 3 mm Hardox 500 which increased efficiency and recovery rate increased from 35% to 70%.



Sinter Screen

Earlier other Brand was used by customer AR 500 6 mm life given was 8-9 months in sinter screens of Steel Plant of reputed name. Method of cutting unknown.

Replaced by Hardox 500 6mm Thickness with Laser Nitrogen cutting.

Results:

Due to use of Nitrogen the heat input was very low and HAZ was limited to 0.1mm.

The life of Screen increased to 14 months. Customer was happy to get the downtime reduced and higher performance increase by almost 80% longer lifetime.



Screening With Hardox

Providing Hardox Screen solutions with various customers and it has been greatly successful and we have been getting lot of repeat orders from Steel Plants, Pallet Plants, Mining, etc. Customer satisfaction gives us immense credibility and loyalty. We have used Thickness ranging from 3 mm to 50 mm in screening different items in different sectors.

The logo for Hardox Wearparts is displayed on a dark red rectangular background. The word "HARDOX" is written in a large, bold, white, italicized sans-serif font, with a registered trademark symbol (®) to its upper right. Below "HARDOX" is a white horizontal bar containing the word "WEARPARTS" in a smaller, bold, dark red, sans-serif font.

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