

# SPLIT ROLLER

**QUICK INSTALLATION , NO HASSLE,  
 PERMANENT REPLACEMENT ROLLERS**

## HOW WE CREATE VALUE

Damaged rollers can be replaced as required, without the need to replace the complete main chain assembly

Save time on maintenance

Dramatically reduced equipment downtime.

Reduced maintenance costs.



## THE CHALLENGE

Wear is a fact of life on all chain driven equipment with roller damage being the most common form of wear and tear.

Roller replacement previously required full chain removal with extended downtime and high labour costs.

Ovivo split roller solution reduces screen downtime and maintenance costs for our customers by eliminating the need for complete or partial main chain removal.

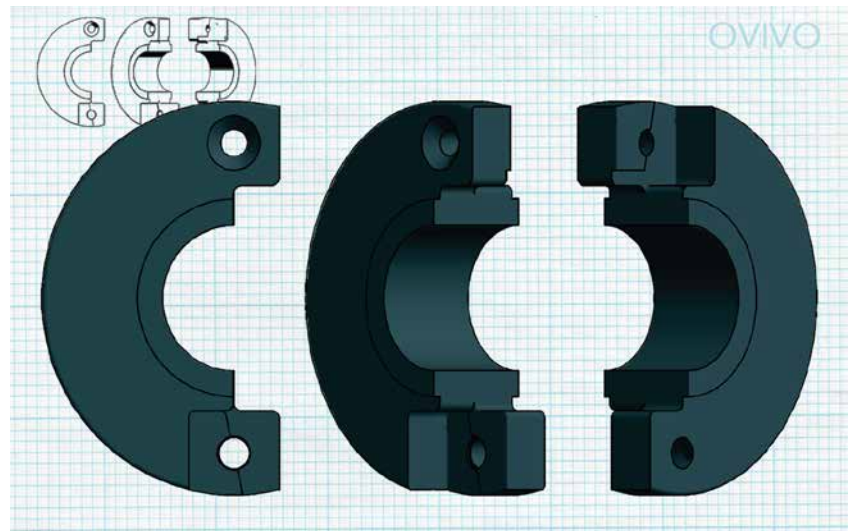
## OVIVO'S SOLUTION

Ovivo's SPLIT ROLLER Assembly has been developed to replace worn or damaged screen main chain rollers without the need for full or partial chain assembly removal.

Chain removal is a time consuming process that often involves isolation and de-watering of the chamber, removal of mesh panels; splitting of the chain and heavy manual handling and/or craneage.

Quick and Easy to install, SPLIT ROLLER cost and time savings, may be significant.

## SPLIT ROLLER DIAGRAM





### CASE STUDY

Recently Ovivo were called in to a power station where there had been significant roller wear. The normal tolerances of less than 1mm clearance had increased to around 10mm in some places with the mesh panels starting to rub on the sprocket teeth, the guide tracks and the seals. Despite this the chain links, pins and bushes were still in good condition. Ovivo was first asked to quote for a complete replacement chain. For each screen this was priced at €50,000 and 16 man days of work per screen; a total cost of nearly €75,000 per unit. As an alternative, Ovivo offered to replace the rollers in situ using Ovivo Split Rollers. This solution was accepted, the rollers were replaced within three days with a total cost to the customer of less than €15,000 per unit. An overall saving BEFORE crane, dewatering and additional costs of some €60,000.

### DESIGN

Split Rollers are available for most Ovivo (Brackett-Green) Bandscreens & Continuous Chain Raked Screens as follows: CF 200, DF200, DF400, DF610, CCRBS

#### Inlet opening range:

CF200-500, 1000, 1500, 2000 and 2500

#### Back opening DF600/610 range:

DF400-1000

DF400/610-1500, 1750, 2000, 2500 and 3000

*Note: DF100 and CF100 use the Ladder Bar Chain and Mesh Assembly which has a different type of roller construction and at present we do not offer the split roller option.*

*“A chain is only as strong as its weakest link”*

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