

Metso

# EF Series™ vibrating screens

## Application

Efficient with difficult to screen sticky ores  
Use as standalone unit, or in a multi-stage process



Metso feeders and screens deliver optimal uptime and the lowest total cost to operate with trouble-free, reliable designs and high availability of wear and spare parts..

Read more

[www.metso.com/screens](http://www.metso.com/screens)

### Dual drive - electronically synchronized

In addition to being a provider of crushing and complete rock and mineral processing solutions, Metso has also gained a worldwide reputation as a specialist in vibrating equipment. Metso EF Series (Ellipti-Flo) of vibrating screens are a high performance banana style screen utilizing an elliptical motion with varying high to medium G acceleration which results in eliminating blinding and plugging for difficult to screen ores.

### How it works?

The 1:3 ellipse ratio is generated by two lines of mechanisms positioned far from the screen gravity center, enabling self synchronism operation, eliminating the need of gears and timing belts.

With this unique feature, by electronic synchronization device, it is possible to adjust the stroke angle and speed with the machine in operation, optimizing the screening production and efficiency.

### Unique benefit

The stroke angle is varied from the standard 45° to slow material flow. This varying the stroke angle on a pre-arranged time interval dislodges any material from the media apertures.

### Features

- Self synchronized two shafts elliptical motion
- High capacity banana shape
- Side plates - completely huck-bolted assembly
- V series vibrators
- Oil or grease lubrication
- Available in double deck models

### Applicable industries

Minerals processing of all metallic and non-metallic ores (e.g. copper, gold, iron ore, silver, lead, nickel, zinc, molybdenum, bauxite, alumina, clays, and more)

### Benefits

- Elliptical motion provides non-binding, non-plugging performance
- Self synchronized elliptical motion attained with no need for gears or timing belts
- Optimize screen production and efficiency while in motion by an optional electronic synchronization device that provides the ability to adjust both stroke angle and speed while running
- Global product support and application expertise with local dedicated experts