

**OSBORN**

Engineered Products SA (Pty) Limited  
Shaping Materials Handling

An Astec Company

## Osborn IFE Large Linear Dewatering Screen



**Osborn** IFE Large Linear Dewatering Screens are designed in Austria utilising finite element analysis to provide optimum performance and structural strength.

The Osborn IFE Large Linear Dewatering Screens are built in our Elandsfontein works, which has an ISO 9001 rating, providing quality workmanship. The IFE Exciter Drive Unit is designed to handle high amplitude vibrations without decreasing life expectancy.

With one of the largest and most modern facilities in South Africa, **Osborn** also offers installation, commissioning, spares, reconditioning and after sales service, plus the capability to supply the right unit for any type of enquiry.

**Osborn IFE Large Linear Dewatering Screens** compliment **Osborn's** other range of screens and wide range of jaw crushers, gyrasphere cone crushers, feeders, scrubbers and idlers. Turnkey plant capability is also available.

## Description

The unbalanced exciter drive consists of a sturdy soundproof housing made of cast-metal which contains two shafts that are synchronized with gears and are mounted in heavy duty roller bearings, designed for use with vibrating equipment. Lubrication of the bearings and gears is effected by a combination of oil bath and oil mist.

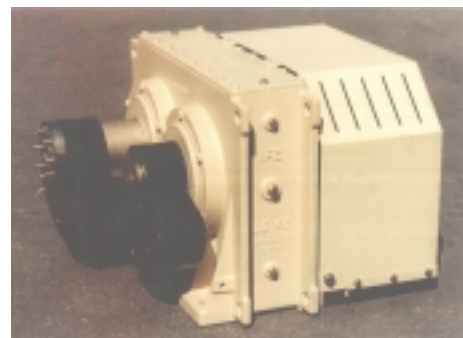
Eccentric weights are attached to both ends of the shaft. While stationary, the unbalanced mass can be changed by adding or removing steel or lead weights. This consequently alters the strength of the unbalanced exciter force and the oscillation amplitude of the vibratory equipment.

## Features

- Oversize bearings provide long life expectancy.
- Little Maintenance Required.
- Low Noise.
- Easy access to IFE Exciter Drive Unit.
- Stroke can be adjusted easily.
- Unit can be removed by undoing four bolts.
- Designed to accommodate PU, wedge wire or mesh deck preparation.
- Heavy duty structure epoxyed and huckbolted.
- One-piece side plates.
- Heavy duty universal beam construction.
- Conventional bolt fasteners.
- Fully bolted construction.

## Applications

- Single or double deck
- Horizontal, Inclined or Differential Angle
- De-watering
- De-sliming
- Sizing
- Screening high capacities



Osborn IFE Exciter Drive Unit

## Sizes

Osborn IFE Large Linear Dewatering Screens are available in sizes from 1m wide x 4m long to 2,5m wide x 8m long and are designed to be installed at a maximum of 5° incline.

**Osborn. Designers and manufacturers of bulk materials handling and minerals processing plant and equipment.**

**Head Office: Johannesburg**

P.O. Box 8182, Elandsfontein, 1406, South Africa

Tel: +27 11 820-7600 Fax: +27 11 388-1136  
Email: [osborn@osborn.co.za](mailto:osborn@osborn.co.za) <http://www.osborn.co.za>

Cape Town (021) 556-1470; Durban (031) 569-4431  
Welkom (057) 352-3374; Witbank (0136) 92-3035;

Also Samuel Osborn Zimbabwe and Agents in Cape Town, Kimberley, Kuruman, Rustenburg, Witbank, Zambia, Namibia, Nigeria and Ghana

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