

OSBORN

Engineered Products SA (Pty) Limited
Shaping Materials Handling



An Astec Company

IFE Trisomat Flip Flop Screening Machines



Trisomat Screens represent a totally new solution for extremely difficult to screen materials. Where other screen types suffer from blinding and pegging the Trisomat achieves excellent screening efficiency with small mesh areas.

The Trisomat is one of the 'flip flop' variety of screens which exhibits the alternate tensioning and relaxing of the screen mesh. A full circular motion at the end, however, induces both vertical stratification and forward transportation in the feed, producing rapid separation and the removal of fines. In the centre section of the screen deck, the flip-flop action occurs, while at the discharge end, a reverse elliptical motion slows the reduced flow to encourage the separation of near-size particles.

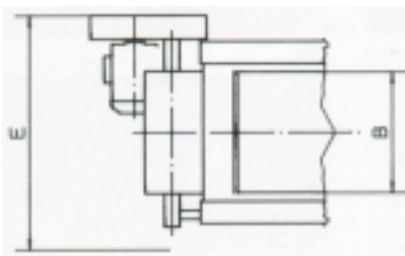
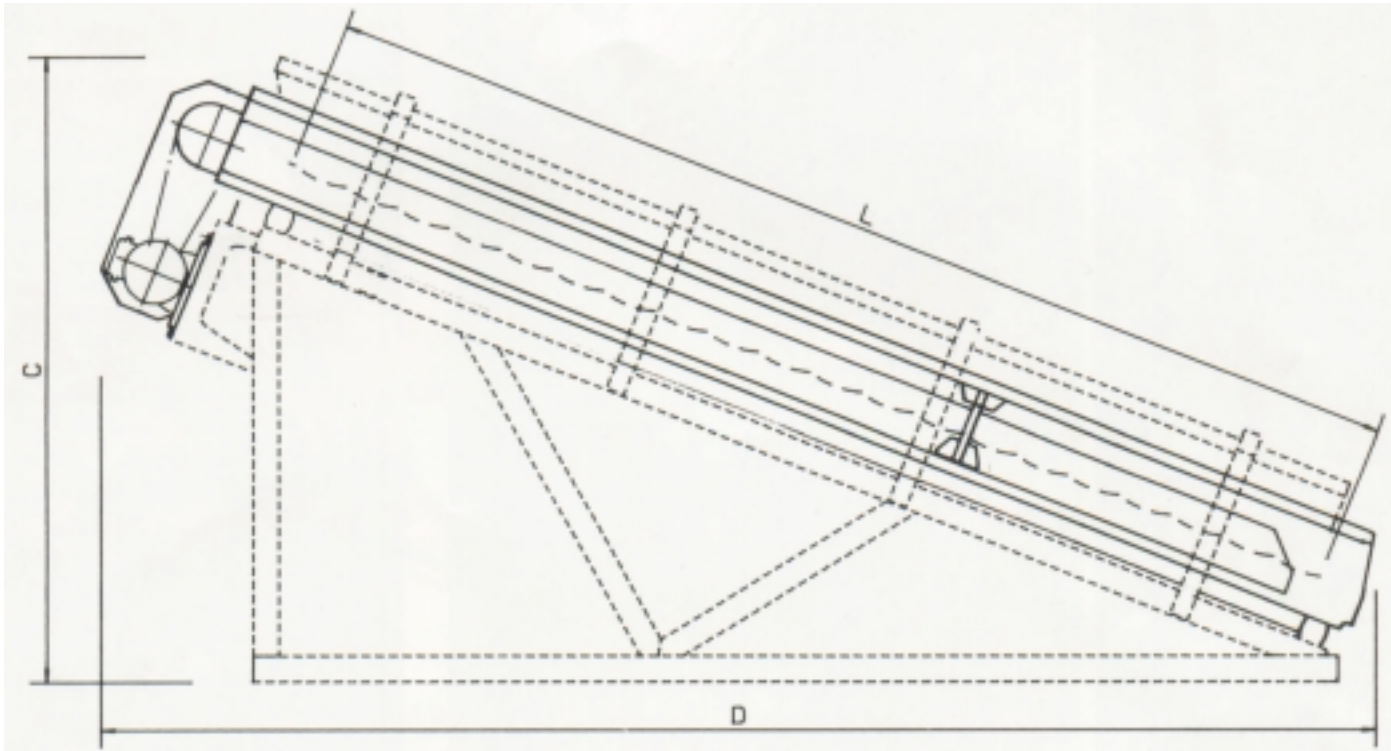
The Trisomat has two frames, moving relative to each other, flexibly mounted with a static support structure.

Transverse mesh support beams are alternatively attached to the inner and outer frames. The beams cause the mesh section to cyclically stretch and relax. High accelerations result which obviate pegging and blinding.

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.

In addition, IFE Trisomat Screening Systems compliment Osborn's wide range of mills, screens, jaw crushers, gyrasphere cone crushers, feeders, scrubbers and idlers. Turnkey plant capability is also available.

Details and brochures on these and other products and services on application.



B x L	C	D	E	Weight kg	Drive kW
800 x 3600	2260	4690	1500	2200	5.5
800 x 4200	2445	5260	1500	2300	5.5
800 x 4800	2630	5830	1500	2400	7.5
1000 x 4200	2445	5260	1700	2550	7.5
1000 x 4800	2630	5830	1700	2700	7.5
1000 x 5400	2815	6400	1700	2850	11
Large Sizes on request					

B x L	C	D	E	Weight kg	Drive kW
1250 X 4800	2630	5830	1950	3000	11
1250 X 5400	2815	6400	1950	3200	11
1250 X 6000	3000	6970	1950	3400	15
1600 X 5400	2815	6400	2300	3600	15
1600 X 6000	3000	6970	2300	3800	15
2000 X 5400	2815	6400	2700	4000	15
2000 X 6000	3000	6970	2700	4200	18,5

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

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 Rustenburg, Witbank, Zambia, Namibia, Nigeria and Ghana

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