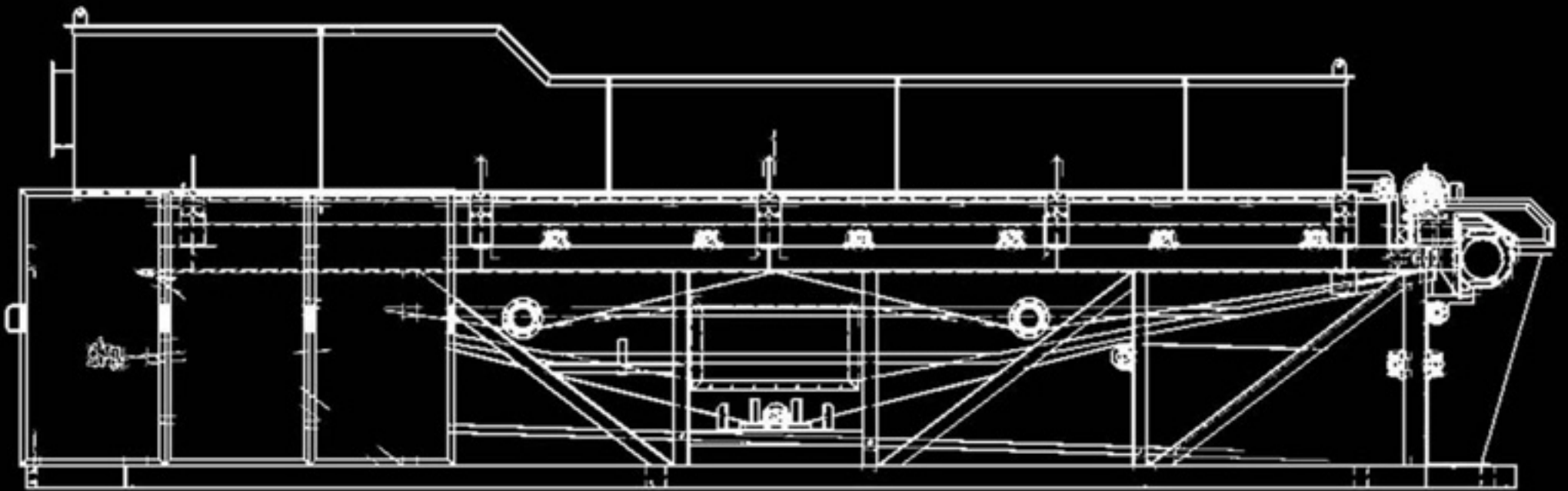




mip | PROCESS
TECHNOLOGIES

horizontal linear screens



OUR COMPANY

MIP Process Technologies (Pty) Limited is a South African Process Equipment sales and manufacturing company offering customised and innovative process solutions for the Mining, Minerals Processing and related industries. The 100% black-owned and black-managed company was established in 2007. MIP Process is accredited with Level 1 BEE Status, which is the highest that can be achieved. We pride ourselves on being truly customer-centric with unsurpassed levels of customer service.

MIP Process Technologies (Pty) Limited's mission is to be the preferred supplier of process equipment with an offering that is underpinned by:

- customer focus
- reliability
- innovation
- continuous improvement

We specialise in the supply of Process Equipment, but have the capability to assist with plant design around our core technologies.

BACKGROUND TO LINEAR SCREENS

Linear Screens differ from vibrating screens in that they are static. They are therefore quiet and the energy consumption is much less than a vibrating screen.

The MIP Linear Screen (MLS) comprises a screen cloth, which is supported on rollers and driven via a pulley. This is supported by means of a gearbox and motor.

Slurry enters the screen via a feed box onto a moving screen cloth. Polyurethane side curtain panels prevent short circuiting of material onto the floor.

The underflow is collected from an under pan receiver and returned as the "cleaned" material. Inspection hatches are provided for maintenance.

The trash/wood chips are retained on the screen from where the chips are discharged into a chute. Any material sticking to the cloth is removed using water nozzles mounted on a spray bar.

APPLICATIONS

The main purpose of linear screens is to remove wood chips and fibre from the ore streams. Other applications include the recovery of loaded carbon in gold CIP circuits.

A wide field of new applications for the MLS are tested continuously and it can be applied to any mineral processing operation where trash removal is required.

LINEAR SCREEN SIZES

The MLS range include the following:

- 0.5m²
- 1.5m²
- 3.0m²
- 6.0m²
- 9.0m²
- 12.0m²
- 20.0m²
- 25.0m²
- 30.0m²
- 34.0m²

Standard cloth apertures are available from 0.5mm to 2.0mm. A variety of optional features are available on our machines.

Creating value
through innovative
superior designs and
building of strong
supply capabilities



ENGINEERING STANDARDS

All engineering, design and construction is based on sound internationally approved engineering principles as well as practical applications.

AFTER-SALES SERVICE

MIP Process Technologies (Pty) Limited's products have been designed to ensure minimal maintenance with easily replaceable parts for minimum downtime.

All our products carry an eighteen (18) month warranty against the industry standard of twelve (12) months. This decreases the risk when buying MIP Process equipment. We offer an after-sales service and our Technical and Service departmental staff is available on a continuous seven (7) days a week basis to offer assistance.

A team of process and mechanical engineers, who have experience in Coal, Base Metals, Platinum and Gold markets, are available. Field service technicians provide further support.

BENEFITS

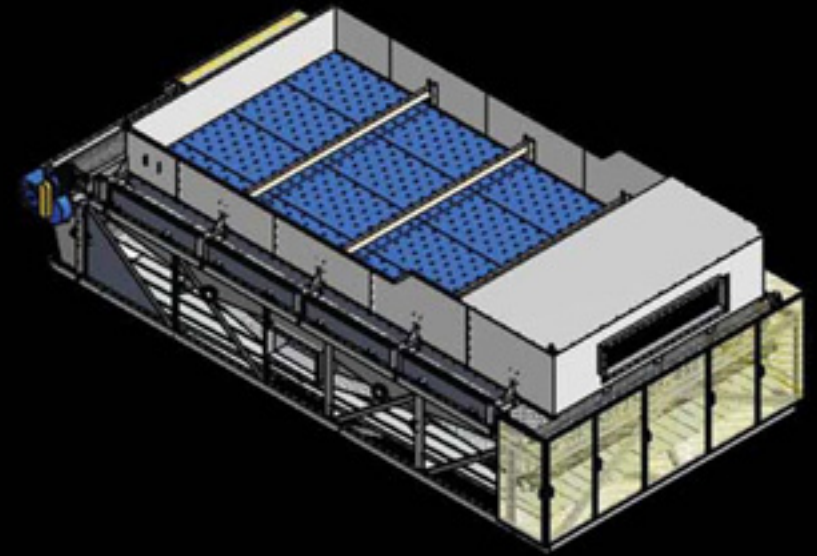
A range of benefits are available to our business partners when purchasing equipment from us.

Feature	Benefits
Pre-engineered units	Proven with short delivery times
No vibration	Minimal cost of support structure
Range of screen apertures	Process specific design
Low power consumption	Low operating costs
Low noise levels	Environmentally friendly
User friendly	Ease of operation
Flexible	Easy to change parameters
Minimal maintenance required	Minimal operating costs
High equipment availability	Minimal production losses

EQUIPMENT COMPONENTS

The main components of the MIP Linear Screens are:

- Feedbox designed for equal distribution of the feed slurry
- Screen cloth in variety of sizes
- Drive unit, consisting of variable speed gearbox and electric motor
- Slurry collection pan
- Discharge chute
- Variety of rollers
- Cloth tracking instrumentation



3-D view of Linear Screen



30m² screen with cloth



Three 34m² Linear Screens



Chemineer HT Agitator



26m ϕ Thickener in operation



MIP-200 Flocculant Plant



30m² Linear Screen

Project Management

Owing to the high level of importance that MIP Process Technologies (Pty) Limited places on delivery, we ensure that each project has a world-class management team. This is coupled with the resources of highly experienced subcontractors, for the different aspects of each project.

Low Investment

Capital costs - Our equipment design is conservative and robust to ensure it is still in operation many years from now. We understand that process conditions can change and make allowances for this.

Test Facility

A comprehensive test facility is available to our customers. Preliminary sizing can be done using our extensive database.

MIP Value Proposition

The MIP designs consider not only the customer's process data, but also the long-term mechanical performance, maximum circuit efficiency, availability and minimised operating costs.

•• PRODUCTS & SERVICES

MIP PROCESS TECHNOLOGIES strives to design and manufacture process equipment that is technically advanced, reliable and customised for each application. We believe that each ore body is different and a 'fit for all design', is not necessarily the optimum solution.

Our designs are simple yet robust and reliable. Our philosophy is to minimise the customer's total operating costs, thus minimising capital and operating expenditure. The full product range includes:

- Attrition Scrubbers
- Clarifiers and Thickeners
- Chemineer range of Mixers and Agitators
- Flocculant and Reagent Make-up Plants
- Horizontal Linear Screens
- Moyno Progressive Cavity Pump
- Slurry Samplers

•• CONTACT DETAILS

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