SIMO SCREENS

SUGAR AND DISTILLERY

Juice screens, centrifugal screens and DM plant internals engineered for the crushing season.

- PRECISION FILTRATION
- STRENGTH AND DURABILITY
- NON-CLOGGING OPEN AREA
- RESISTANCE WELDED
- STAINLESS AND SPECIAL ALLOYS
- ENGINEERED TO ORDER



SUGAR AND DISTILLERY

Where our screens sit in the plant

At SIMO Screens, we engineer juice screens, centrifugal screens and DM plant internals to run continuously through the crushing season. The slot, profile and alloy are chosen for the juice, the massecuite and the water the mill actually runs.



Row of large rotary drum screens installed in a processing plant beside a conveyor.

JUICE SCREENS	PROFILES	DOCUMENTS
0.45 to 0.8 mm slot	**15SB and 18SB**	**MTC with every product**

WHAT IT MEANS FOR YOUR PLANT

Built for the season

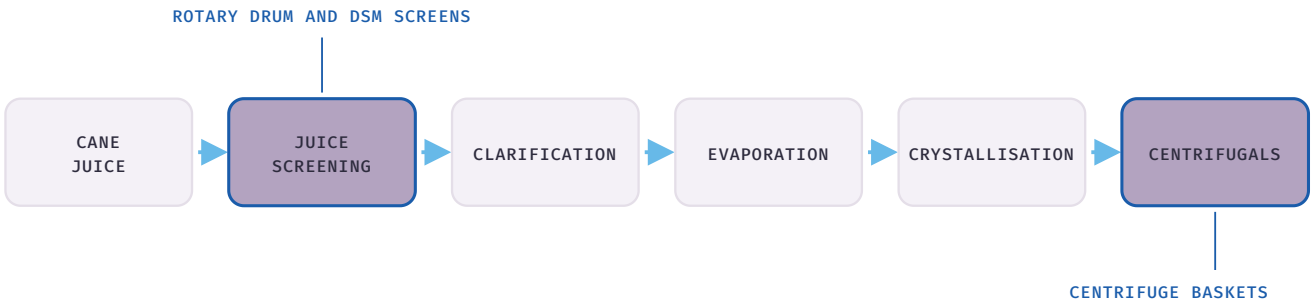
Juice and centrifugal screens are made to run continuously through the crushing season.

Slot held to drawing

Accurate slots keep bagacillo out of the juice and crystal in the basket.

Boiler feed water protected

DM plant laterals and resin traps keep resin in the vessels that feed the boilers.



Highlighted stages use SIMO wedge wire.

SELECTION

PLANT OR EQUIPMENT	SIMO SCREENS PRODUCT
Mill house juice screening	Sieve bend (DSM) screens, Rotary drum screens
Continuous and batch centrifugals	Centrifuge baskets
Boiler feed water DM plant	Header and hub laterals, Filter nozzles, Resin traps
Distillery spent wash screening	Sieve bend (DSM) screens

ENGINEERED TO ORDER

Our engineers start from your drawing, process data or the screen being replaced, and choose the slot, profile wire, support rod, flow direction and alloy to suit. Every screen is resistance welded, fabricated and inspected at our works in MIDC Butibori, Nagpur, under an ISO 9001:2015 quality system.

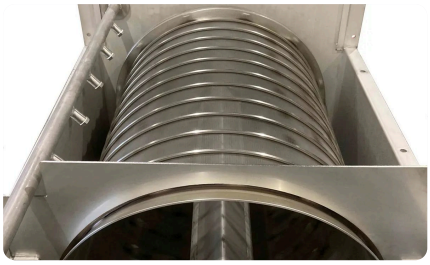
PRODUCTS

Made at our Nagpur works



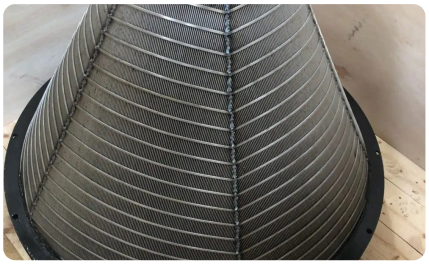
01. Sieve bend (DSM) screens

Static sieve bend (DSM) screens for dewatering, desliming and fibre recovery.



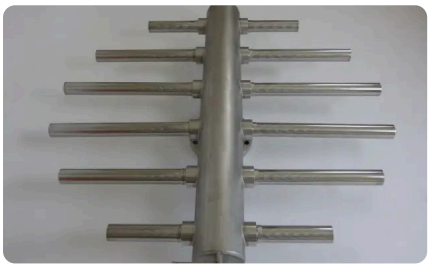
02. Rotary drum screens

Wedge wire drums and complete rotary drum screens for wastewater and process water.



03. Centrifuge baskets

Centrifuge baskets and screens for sugar, coal, minerals and chemicals.



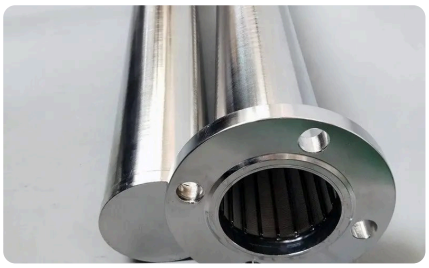
04. Header and hub laterals

Header, hub and lateral underdrains for ion exchange, DM and filter vessels.



05. Filter nozzles

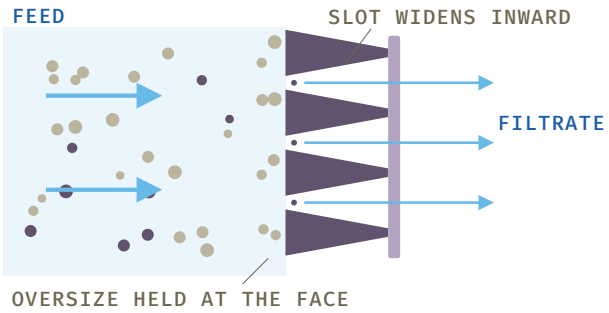
Stainless steel wedge wire filter nozzles for sand, carbon and multigrade filters.



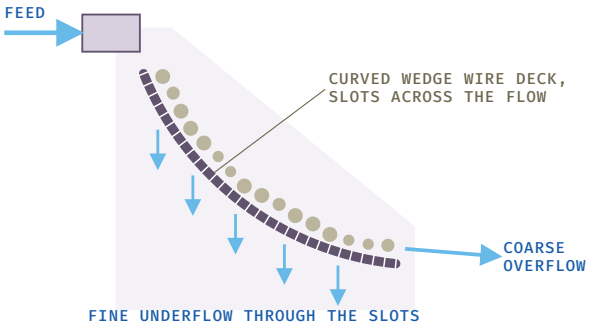
06. Resin traps

Inline wedge wire resin traps that stop escaped resin before pumps and downstream units.

HOW THE SLOT WORKS



Oversize is held at the face; the slot widens inward, so whatever passes cannot lodge.



On a sieve bend, the wire edges slice a thin layer of liquid from the feed as it runs down the curve.

FOR A QUOTATION, SEND OUR ENGINEERS

01 Equipment: juice screen, continuous centrifugal, batch centrifugal, DM plant vessel or spent wash screen.

02 For centrifugals: machine make and model, basket drawing or dimensions, and the massecuite grade.

03 For juice screens: juice flow, screen width and your current slot or perforation size.

04 Any problem you see today: sugar loss, blinding, wear or cracking.

05 Material preference, or the juice or spent wash analysis.

06 For DM plant internals: vessel drawing, flow and resin grade.

SIMO SCREENS

Engineered guidance, reliable solutions

At SIMO Screens, our engineers work with you to understand the process, recommend the right design and stand behind its performance. Our engineers will connect with you within a working day.

01. Send a drawing

A drawing or a datasheet line is enough to begin.

02. Replace an existing screen

Send the screen, photographs with dimensions or its part number.

03. Start from process data

Flow, pressure, temperature, particle size and medium.

CUSTOMERS INCLUDE

ENGINEERS INDIA LIMITED · IndianOil · JINDAL STEEL · meil · MOIL LIMITED · NIPPON STEEL · NMDC · ONGC · सेल SAIL · TATA CHEMICALS LIMITED · TATA STEEL · THERMAX

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IS 8110:2019

MAKE IN INDIA

ISO 9001:2015 quality system
Water well screens to IS 8110:2019

+91 93730 08466

Phone and WhatsApp
sales@simoscreens.com
www.simoscreens.com

Works
Shed C, Plot No. 12, GSP Pyramid, Saigaon Road, MIDC Butibori, Nagpur 441122

Registered office
504 Brij Bhumi, Plot 263/264, CA Road, Near Telephone Exchange Square, Nagpur 440008

SEND YOUR SPECIFICATION

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