SIMO SCREENS

AQUACULTURE AND FISHERIES

Fish-safe intake screens, hatchery and raceway screens and Coanda screens.

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



AQUACULTURE AND FISHERIES

Where our screens sit in the plant

At SIMO Screens, we make fish-safe intake screens, hatchery and raceway screens and Coanda screens. The smooth wire face and accurate slot keep fish and debris where they belong while water flows freely.



Tee type wedge wire intake screen with a flanged outlet beside a single ended.

SLOT OPENINGS	MATERIALS	SELF-CLEANING
0.2 to 25 mm typical	**SS 304 to Super Duplex**	**Coanda designs**

WHAT IT MEANS FOR YOUR PLANT

Fish-safe face

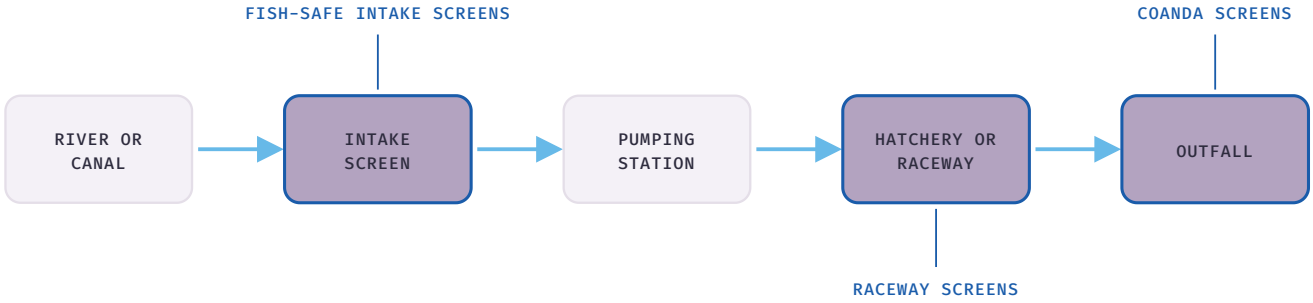
A smooth wire face keeps fish unharmed at the intake.

Self-cleaning

Coanda screens clean themselves with the flow.

Accurate slot

The slot is held to drawing for the species and the flow.



Highlighted stages use SIMO wedge wire.

SELECTION

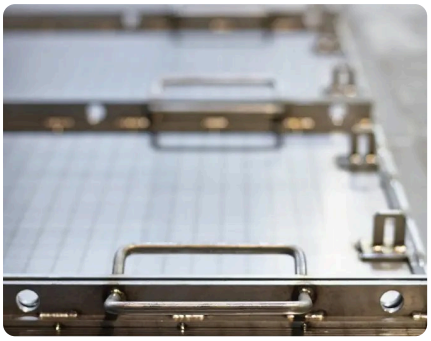
PLANT OR EQUIPMENT	SIMO SCREENS PRODUCT
Hatchery and raceway screens, fish diversion and intake screens at canals and pumping stations	Fish screens, Passive intake screens, Coanda intake screens

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.

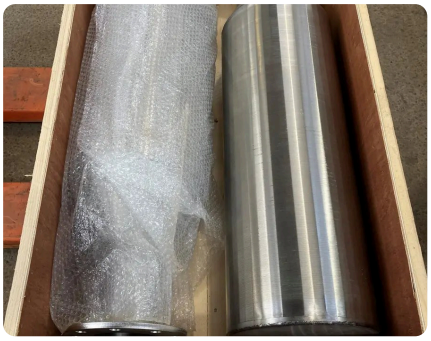
PRODUCTS

Made at our Nagpur works



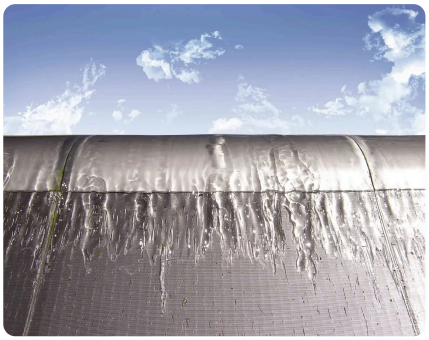
01. Fish screens

Wedge wire fish screens for intakes, hatcheries and raceways.



02. Passive intake screens

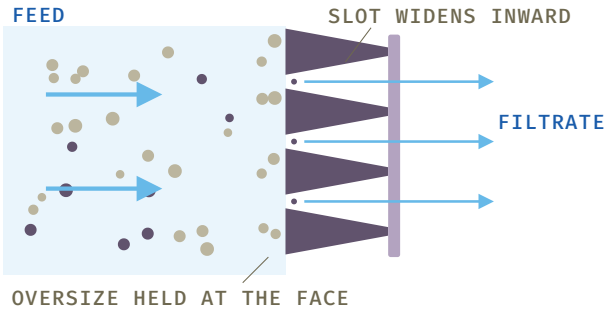
Passive wedge wire intake screens for rivers, lakes, reservoirs and cooling water.



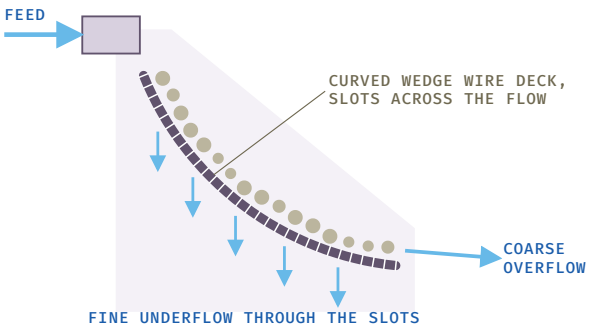
03. Coanda intake screens

Self-cleaning Coanda intake screens for small hydro, irrigation and stormwater.

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.

V-PROFILED WIRE

Resists clogging. Carries the pressure. Opens more area.

The wire meets a particle at two points and the slot widens behind the face, so what passes cannot lodge.

WELDED AT EVERY JUNCTION

Holds its slot under load.

Each wire is resistance welded to every support rod, so the screen resists pressure transients up to 300 PSI and thermal cycling without stretching or tearing.

BUILT TO YOUR EQUIPMENT

Fits at the first shutdown.

Made to your drawing, sample or vessel, in the alloy the medium calls for, so it drops into the equipment already in place.

FOR A QUOTATION, SEND OUR ENGINEERS

01 Application: hatchery tank, raceway, fish diversion, pumping station intake or Coanda intake.

02 Species and the smallest life stage you need to retain or protect.

03 Design flow and water depth at the screen.

04 Tank, channel or intake dimensions, with a drawing or sketch.

05 Water type: fresh, brackish or seawater, with an analysis if you have one.

06 Any velocity limit set by your fisheries authority or consultant.

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

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SEND YOUR SPECIFICATION

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