Why Cook Coanda Screens?

SIMPLE
A Coanda Screen does not require mechanical cleaners or a bypass for debris. Clean water falls through, fish and debris pass over.

DURABLE
Cook Coanda Screens use all stainless steel construction, and high quality wedge wire from Norris Screen on all of our systems.

PROVEN
Our systems are designed by a team with decades of experience in mechanical engineering, flow and sediment analysis, and installing hundreds of Coanda Screens. This experience gives insight for applying the technology to your site. The screens are built in our fully functional, ISO 9001 compliant factory in Columbus, Ohio.
Ruaha Energy

Ruaha Energy, a small power producer in Tanzania, is using Coanda screens as part of a MOD-Hydro System.

The screens allow for safe passage of fish and sediment and simplify the intake with a modular design allowing for fast, accurate installation.

Theory of Operation

Water flows over an accelerator plate and then onto the screen. This presents a fast, smooth nappe of water. The bottom layer of water is then sliced through into the diversion while the overflowing water moves sediment and sweeps away debris.

The Coanda Effect

The way that a fluid jet follows a surface in water. This effect enhances the efficiency and performance of a Coanda screen.

Rotor

The way that a fluid jet follows a surface in water. This effect enhances the efficiency and performance of a Coanda screen.