



Above left: Inkos patented model SCV crest rake design. The screen bars are fastened in a frame. The truck moves on a teeth crest on outsides of the frame. The rake is a part of the truck. The truck bears engine and lifting mechanism of the rake. The lifting mechanism enables all movements of the rake during wiping of the screenings from the screen bars, the lifting of the rake during the movement of the rake into the lower position and discharge of the screenings from the rake. The truck moves only above the water level and only the rake is in contact with water. Above right: Three large Inkos model SRP bar screens with double articulated arms and extended intermediate sections located in a South Brno. Inkos submersible motor enclosure that protects the motor in case of submergence. This system also available provides an IP-67 level of motor protection.

With over a century of engineering expertise attained worldwide, INKOS designs and manufactures water and wastewater treatment equipment that is customized for each project's special requirements. Specific needs of every application are met with equipment that incorporates operational reliability, safety, maintainability and economy. INKOS features the skilled ability to engineer long-lasting, cost effective screening systems including bar screens, fine screens, screenings washers, compactors and conveyors, grit collecting systems, sludge collectors, skimmers, flocculators and related products for any treatment plant.



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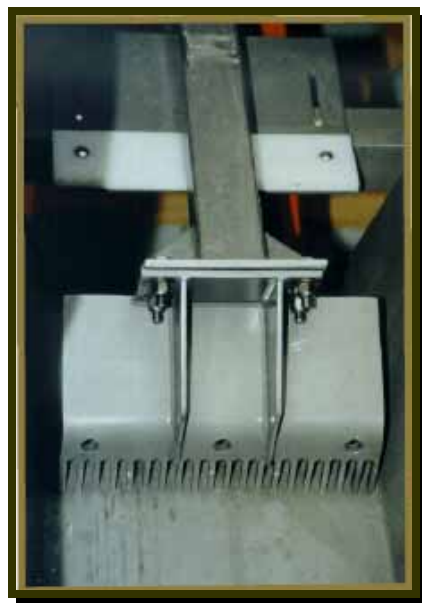
## SRP Rake and Pinion Screens

Pinion Rack  
Screening  
Systems

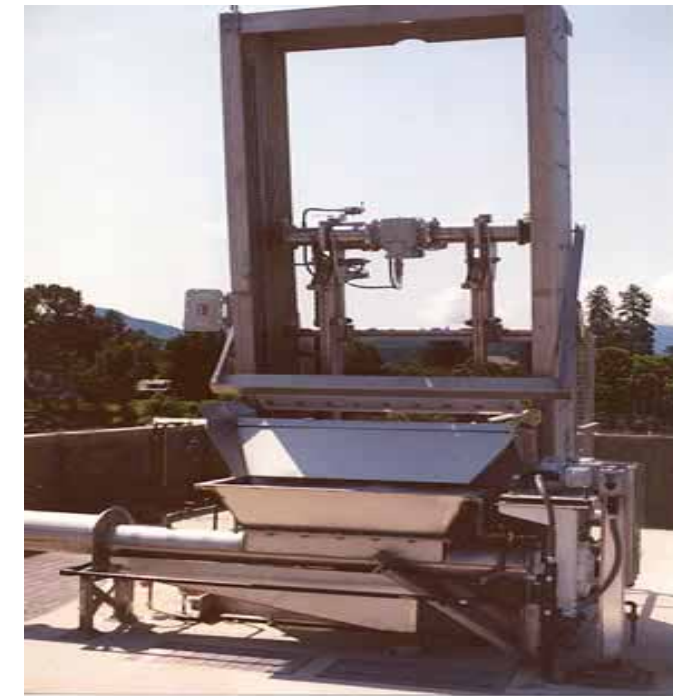


Screening  
Equipment for  
the Small to  
Very Large  
Plant

Cover Photo: Three Inkos model SRP screens at the edge of the Sahara Desert in Egypt.



Above: Photos to illustrate the designed parts of the Inkos model SRP Bar Screen.



Left: Inkos, heavy-duty, large, double articulated arm model SRP bar screen discharges screenings into a Inkos 8" diameter horizontal screenings press.

Below: An enclosed Inkos model SRP bar screen discharges screenings into a Inkos horizontal ram press.



Right: Three Inkos model SRP bar screens discharge into a Inkos 12" diameter, triple inlet screenings conveying compactor, which then discharges into a Inkos 12" diameter inclined combined screenings and grit conveyor.



Left: Two new Inkos bar screens discharge screenings into a triple-inlet, Inkos shaftless screw conveyor. Located in a Seismic Zone 4, this project also includes a Inkos shaftless screenings washing press. The press, located at a lower level, receives screenings from the conveyor by means of a flexible connecting chute. There is a centrally located inlet on the screenings conveyor that provides for a future Inkos model SRP bar screen.

Many options are available for the Inkos model SRP bar screens, such as:

- Arm design: standard articulation; double articulation, or telescopic are particularly well suited for CSO applications.
- Lubrication free pinion rack
- Submersible motor enclosure
- Various stainless steel, steel or alloyed steel fabrication
- Open or enclosed construction
- Integrated velocity controlling bar rack and weir.