ASTİM

# WATER INTAKE **STRUCTURES**

www.astim.web.tr

# ABOUT US

Astim is established and organized to design and manufacture various mechanical equipment for municipal and industrial water & wastewater treatment plants as well as specific process equipment, vessels and steel structures.

Established in 1980, Astim operates in the heart of industrial region of Turkey, Kocaeli – Dilovası Industrial Organized Region with 6.000 $m^2$ indoor and 8.000 $m^2$ outdoor manufacturing facility located close to Istanbul, surrounded with highways and harbors. Our facility is equipped with suitable machinery and tools for fabricating steel works up to 5.000 tons/year. Together with 70 colleagues consisting of experienced engineers, qualified technicians and certified welders, we develop system solutions, design & manufacture products and manage projects.

With vast experience in designing and manufacturing according to the international norms and standards such as; DIN-EN, AD 2000 Merkblatt HP-0, ASME, API650, EN ISO 3834-2, we have completed many international projects under control of well-known inspection companies such as TÜV, GL, BV and SGS.

# WHAT WE DO;

Astim provides innovative solutions, competitive equipment and satisfaction oriented customer service for;

- Water & Wastewater Treatment
- Industrial Water Treatment
- Sludge Treatment
- Flue Gas & Odor Treatment
- Water Intake for Power Plants
- Process Equipment, Vessels and Steel Structures


EN ISO 9001-2008


EN ISO 3834-2


AD 2000
Merkblatt HP 0

GOST

# SOLUTIONS & EQUIPMENT FOR WATER INTAKE STRUCTURES

Possessing a wealth of experience is water treatment Astim supplies high quality equipment for water intake structures which are specially designed to meet challenges and considerations that need to be kept in mind in the design of a suitable intake.

- Isolation Equipment
- Coarse Bar Screens
- Fine Belt Screens

# COARSE BAR SCREENS

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Water from surface sources is used for many reasons and purposes; either by municipalities for drinking water treatment or by many different industries for make-up and cooling. Both require large amount of water to be used therefore water intake structures are designed with huge dimensions seeking for high capacity and high quality equipment.

Astim Coarse Bar Screens are used as the first stage when cleaning industrial, process and cooling water in industrial plants and numerous other applications; especially in power plants in order to protect the turbines and other downstream equipment from damage caused by bulky debris. With various different designs, they can be adapted to complete special tasks Simple and robust construction combined with modern design and manufacturing technologies ensure high reliability and a long service life despite low maintenance requirements.

# FINE BELT SCREENS

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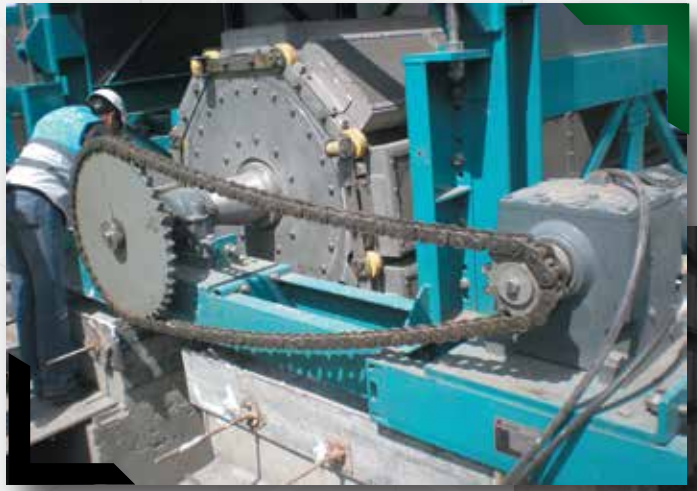
Almost all surface water contains debris one sort or another. No matter which type of debris; solid waste or jelly fish swarms, all have potential to damage the intake pumps or downstream installations. It is very important to remove the debris to eliminate additional growth inside the intake piping as well scaling and fouling of the downstream process equipment.

As the last cleaning stage in the water intake process, finest mesh screening is recommended to protect equipment such as pumps and condensers from damage that may be caused by debris and sediments.

Astim Fine Belt Screens are designed to operate successfully in the water intake channels of power stations, petrochemical and sea water desalination plants, steel works and other industrial or municipal plants all over the world. Their outstanding features are high throughput corresponding to small machine size.



# ISOLATION EQUIPMENT

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Periodic controls are very important for reliable long life of intake equipment and it is often necessary to isolate the channel in which the equipment is installed to realize the maintenance. Isolation equipment are developed for rapid and secure closure of inlet channels and pump chambers.

Astim Isolation equipment and water flow control devices play a central role in the shutting-off, regulating and controlling of water and effluent flows in water intake structures and drainage systems.

# EXPERIENCE AND QUALITY ALL AROUND THE WORLD

*800 projects in 30 countries on 5 continents as solution partner of many international contracting companies.*


ASTIM

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