



*Equipment
for quarries and mines*



TH COMPANY is a global solutions and integral services provider for the fishing, mining and environmental industries. The company aims to contribute to the sustainable management of natural resources through the development of advanced technology that helps worldwide customers to improve the quality and efficiency of their industrial processes.

TH, TH COMPANY's business unit for mining and metallurgy sectors, serves mines and quarries all over the world with a wide range of technological solutions, turnkey projects and process engineering services. With over 50 years of experience and strong focus on constant innovation, the company's solutions and equipment had been successfully implemented worldwide.



Feeding



ATM Feeder

Metallic board feeder suitable to solve handling problems of minerals and materials with high clay content. A reliable and simple solution especially when you need to handle with materials which come from very heterogeneous deposits.

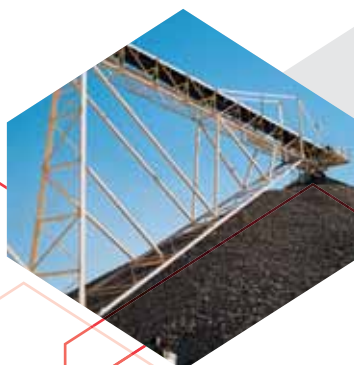
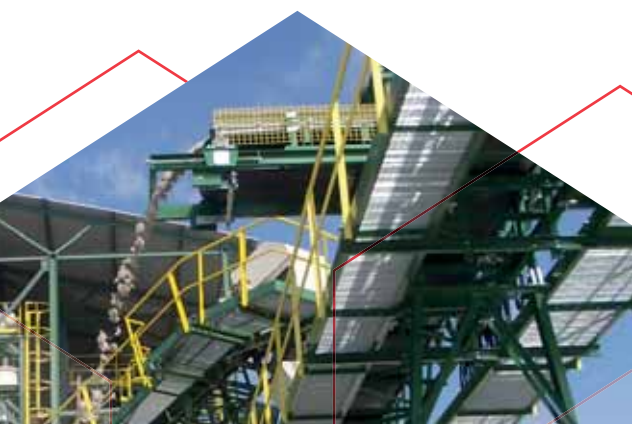
Aliprec Feeder

Pre-screening feeder suitable for applications designed to achieve a constant and effective feed as well as the separation of sterile from minerals with single equipment. It's robust design makes the Aliprec feeder suitable to work with any kind of material.



Vaiven Feeder

The A.V. swinging feeder is a very simple and reliable equipment which solves major part of the problems that take place during the feeding process to primary and secondary crushing equipment.



Crushing

TR Jaw Crusher

The TR Jaw Crusher has been designed to assure an effective and high speed grinding of minerals and aggregates, even with the hardest rock or recycled products, with low energy consumption.



MLA Impact Crusher

Impact Crusher for non abrasive and semi abrasive primary crushing processes. Its powerful rotor, special wear resistant materials and crushing chamber are considered as an industry benchmark and assure high production levels which allow to maximize installations profitability.

MLS Impact Crusher

Impact Crusher for abrasive and other soft materials secondary crushing processes, which assure high production levels of fine fractions and artificial ballast at very low operation costs.



MLR Impact Mill

Reversible mills for tertiary crushing of abrasive and non-abrasive rocks. The MLR mill includes two crushing chambers that ensure high performance and profitability.

Crushing



ML Impact Crusher without grating

Impact Crusher for non-abrasive rocks secondary crushing processes, which achieves a perfect cubicity and high performance ratios with low production costs.

ML Impact Crusher with grating

Impact Crusher for non-abrasive rocks crushing processes, with a constant output according to the grills' light and a perfect cubicity. The equipment ensures high production ratios with low production costs.



MLC Centrifugal Mill

Specifically design for sand production ensuring fines high percentages from the first run. MLC Mill's reversible design ensures unstopped operation maximizing production ratios and reducing production costs.



Separation

SB 1/10 and SB 3/28 Bar Separators

Equipment designed to eliminate any sterile that usually accompanies aggregates and minerals. Thanks to the Bar Separators you will be able to eliminate the risk of clay causing any issue on the good performance of your processing plant.



SD Disc Separator

Highly productive and very efficient equipment designed to separate the soils from aggregates and minerals, which increases the separation process efficiency as it allows to work with humid and sticky materials.

CVR and CRH Vibrating Screens

CVR and CHR vibrating screens help to solve practically all the screening processes required on the minerals and aggregates treatment industry. Thanks to them you will be able to improve your separation process performance and reduce energy consumption ratios.



Pneumatic Separators

Equipment developed to remove the fine fractions, with a size of between 45 to 200 μm , present in dry granular products. Autonomous operation with a closed internal air circuit and is available. Option of a single or double rotor, the latter being for greater separation efficiency.

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Separation



Hydrocyclone

Equipment developed for a high separation efficiency of fine particles in suspension. A modular design featuring metal parts with an abrasion-resistant elastomer liner. Thanks to this modularity, the system lends itself to numerous configurations to cover a range of applications.

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Microcyclone

Developed for the grading of fine particles, in ranges of less than 45 μm in suspension. Thanks to its modular configuration, it is possible to modify the bodies and apex and vortex nozzles for the greatest possible efficiency at the required grading point.

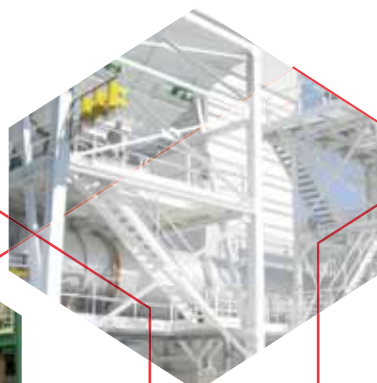
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Hydrosizers

Equipment for the wet grading of solids based on the principles of delayed sedimentation. High treatment capacity with exceedingly low maintenance costs and automated operating flexibility, being able to work in a wide grading range which can be varied from 200 to 900 μm .

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Thermal Treatment

Heat Generators

Hot gas generators for drying processes. The equipment comprises the burner, combustion chamber and the supply of dilution air. Different alternatives depending on the fuel available. Combustion chambers with either interior or exterior insulation using refractory materials.

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Single Shell Rotary Thermal Exchangers

Rotary heat exchangers designed to operate with a direct heat flow and with parallel currents. Equipment noted for its flexibility and rugged construction. Unlike other heat exchange technologies, Rotary Heat Exchangers are less sensitive to performance fluctuations and to the size of the product to be processed.

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Hydraulic Vertical Coolers

Equipment for cooling granular solids with a grain size of less than 4 mm. The equipment design, with indirect heat transfer by conduction through tubular modules containing circulating water, guarantees a high operating performance. The slow, controlled product flow allows for the handling of abrasive materials.

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Washing



Attrition Drums

Equipment designed for the preparation, break-up, and homogenization of products for subsequent wet treatment. The product undergoes an autogenous attrition process, with the possibility of increasing this effect by the controlled supply of a friction charge. Interior plate lining and natural rubber lifter bars. Option of single or double screening fitted in the trommel body, at the point of discharge.

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Bucket Wheel

Equipment used to recover the sand contained in the wash water or to wash fine materials and grits. Rugged and simple design to ensure an intense and continuous service with low energy consumption and a minimal maintenance.



Pump Sumps

Developed to permit a homogeneous, constant operation in the slurry pumping processes. The tanks incorporate a load disconnect, return float valve, supply of fresh water, pump shut-off valve and the pump with its corresponding bench. Adequate pump layout for the process requirements.

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Settling

Flocculent Make Up System (EPS)

We offer a wide range of systems for preparing and dosing polyelectrolyte, which had been designed for continuous automatic operation with zero maintenance levels. They mainly are used in water treatment facilities for any kind of industry.

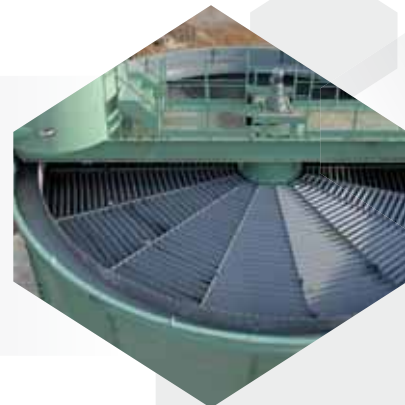


Settling Speed Control Device (DVD)

The Settling Speed Control Device performs a settling test at set intervals in order to regulate the dosing of Flocculent into the clarifier as accurately as possible. The device allows to ensure the minimum of flocculent is used to achieve a determined water quality.

NK-CL / NK-PP / NK-P Thickeners

We offer a wide range of sedimentation equipment for effective separation of solids / liquids, which includes conventional clarifiers in different configurations same as prestigious lamella clarifiers. The thickeners are suitable for treatment of wastewater generated in production processes of any industry, mining and environmental among others.



Dewatering



APN-SIX Versatile Pumping System

Our pumps have a wide range of applications, from pumping concentrated minerals and tailings to the filter press feed. Their design has been targeted specifically for pumping difficult or heterogeneous sludge and achieving the best performance during the filtration process.

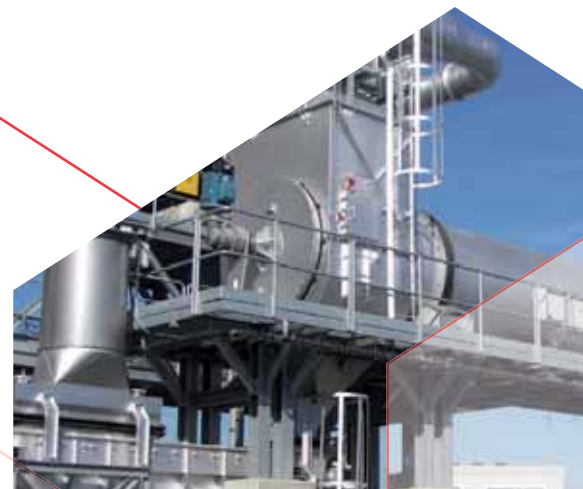
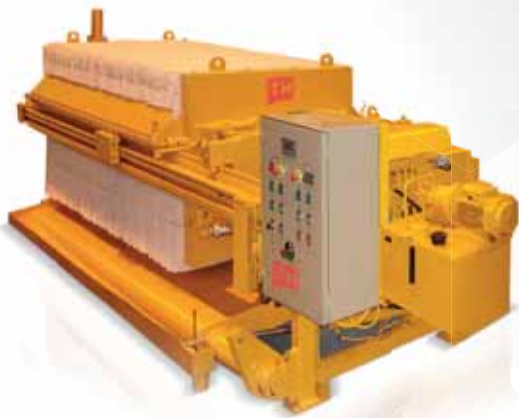
APN High Performance Filter Press

APN Filter Press is considered as the market leader in robustness and reliability due to its design based on mechanical simplicity, reduced number of moving parts and a technologically advanced filter plate. A fully automated Filter Press that will assure you high production ratios at the lowest possible cost per ton.



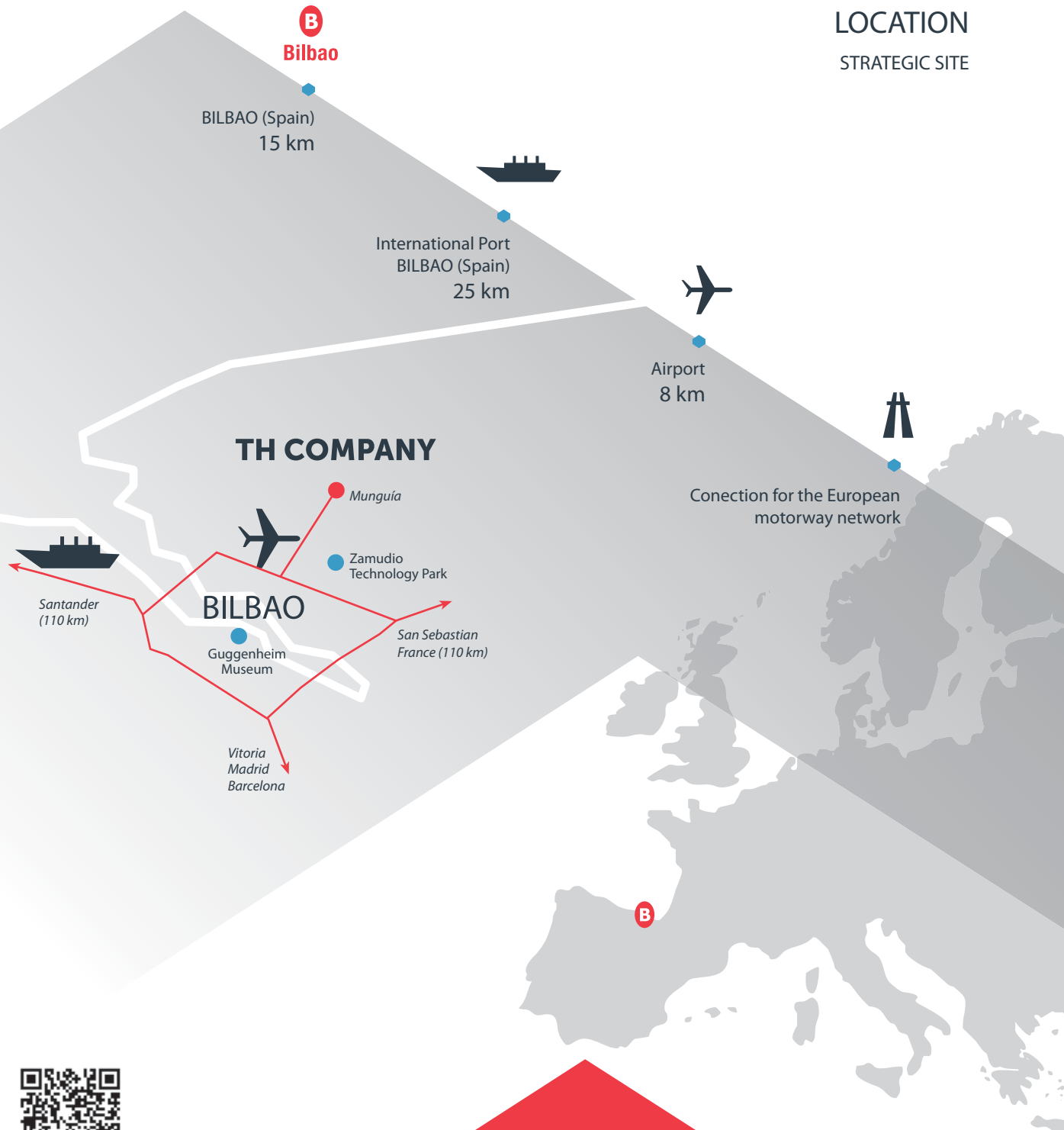
SPN Multi-Plate Filter Press

The SPN Filter Press is aimed for treatment of sludge generated in industrial processes and tailings in mining processes, sewage plants and installations geared towards caring for the environment. Our SPN filter press offer very large filtration surfaces to treat sludge that, due to its chemical composition or particle size, require an elevated filtration cycle.



LOCATION

STRATEGIC SITE



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