



THE EXCELLENCE IN FILTRATION, BY NATURE



**C&D RECYCLING & SOIL WASHING  
DIVISION**



**matec**<sup>®</sup>  
machinery technology

**WATER TREATMENT & SILT MANAGEMENT**



## WATER TREATMENT & WASHOUT SOLUTIONS

### THE EXCELLENCE IN FILTRATION, BY NATURE

MATEC is a worldwide leader in the design and manufacturing of filtration and purification plants for waste water and silt. We design, manufacture and install complete and turnkey plants in any sector which deals with waste water and silt. The most important ones are mining, aggregates, sand and gravel, stone, concrete, ceramics, plastic and glass. We have developed extensive experience over 10 years and thousands of successful projects all across the world. Through our systems we can guarantee the best results, allowing any working site to reach its maximum efficiency and production, because Matec systems maximize the returns of the plant, recovering precious materials and reducing disposal costs. We can provide our customers with the best quality machines, also thanks to components by top brands and the best assistance service.

Matec headquarters are in Massa, Tuscany, Italy. Our workshop and offices cover a 5000 m<sup>2</sup> area, here we design and manufacture all our machines to offer 100% Made in Italy products. Matec is a well-established presence in every continent and we have developed branch offices in America, Brazil and India, plus a global dealer network. Through our warehouses and dealers, we can easily supply the spare parts you need and give assistance. The need of constantly keeping a high level of both service and operational skills must be translated into a strong integration between Customer's needs and the daily comparison to the evolution of our reference markets. Our company mission is to create values through the supply of cutting edge products and services for customer's greatest satisfaction, at the same time respecting mankind and the environment.

#### FIELDS OF APPLICATION

- ✓ MINING COAL AND IRON-ORE
- ✓ AGGREGATES - SAND AND GRAVEL
- ✓ STONE CUTTING MARBLE AND GRANITE
- ✓ CONCRETE AND TUNNELING
- ✓ RECYCLING AND SOIL WASHING
- ✓ GLASS AND CERAMIC
- ✓ CHEMICAL, PLASTIC, INDUSTRIAL APPLICATION





- ✓ 1800 INSTALLATIONS IN THE WORLD
- ✓ OVER 150 COUNTRIES
- ✓ 4 FACTORIES ITALY USA BRAZIL INDIA
- ✓ GLOBAL DEALER NETWORK



**PRODUCTIVITY**



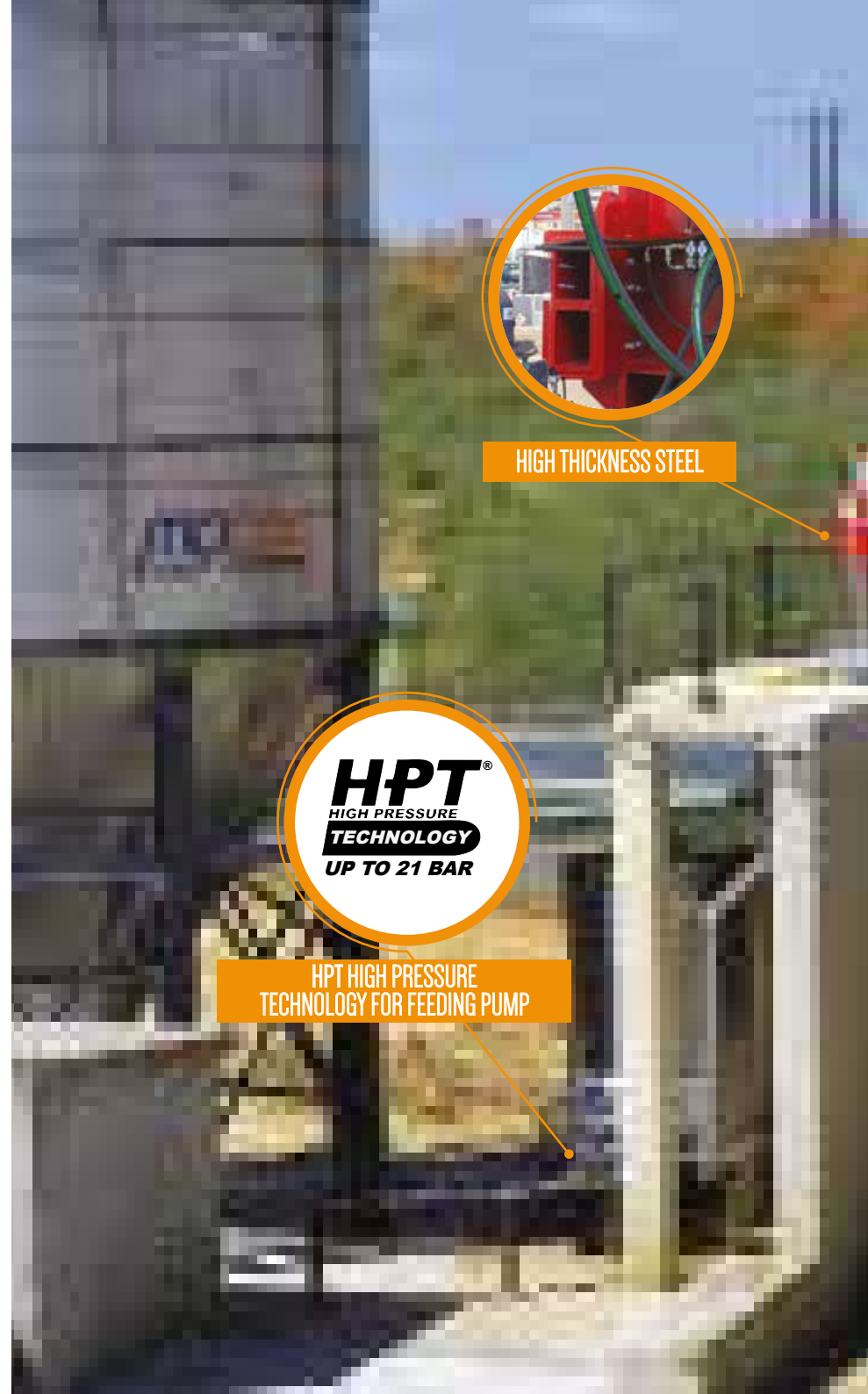
**WATER TREATMENT & WASHOUT SOLUTIONS**



**C&D RECYCLING & SOIL WASHING  
DIVISION**

# BORN TO BE PERFECT

TURNKEY WATER TREATMENT AND FILTER PRESS  
NO PERSON, NO POLYMER, NO PROBLEMS!



**HIGH THICKNESS STEEL**



**HPT HIGH PRESSURE  
TECHNOLOGY FOR FEEDING PUMP**



**AUTOMATIC REAL WASHING**



**"GASSER" SHAKER**



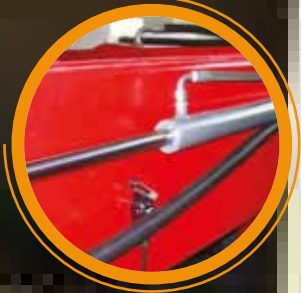
**ALLEN BRADLEY AND SIEMENS TECHNOLOGY FOR PLC**

**OPEN FILTRATE DESIGN**



**MOISTURE < 20%**

**TT2FAST THE FASTEST OPENING SYSTEM**



**TESTED 10.000 PSI ( 700 BAR )**







## WATER TREATMENT & WASHOUT SOLUTIONS



### **C&D RECYCLING & SOIL WASHING DIVISION**

#### **AGGREGATES**

Matec has developed a wide knowledge in the aggregates sector, as our machines for the water treatment were born to work with aggregates, materials which are not easy to handle. This is why we have created a range of machines for the washing of aggregates, to manage the whole process and guarantee the best output both from the washing system and the water treatment plants.

#### **RECYCLING & SOIL WASHING**

Recycling, C&D recycling especially, is a fast-pace growing sector. The concern for re-using materials to respect the environment and comply with laws has led to a development of technologies, systems and plants for which Matec can exhibit great experience. In soil washing applications, we are able to supply all the devices necessary to develop a complete chemical physical process that can decontaminate materials (e.g. from heavy metals or hydrocarbons)

#### **INDUSTRIAL SANDS**

We look forward to the industrial sand production sector, as the demand of silica materials is constantly increasing. A treatment which can reduce contaminants and precision in the separation of material are the requirements we face from our customers and that our machines are able to fulfill.

#### **WATER MANAGEMENT**

Matec is already a leader in the water treatment field with over 1800 installations which help customer save and recover water all across the world. Through our filterpresses and our thickeners, you will be able to reuse up to 95% of the water. Cutting down costs is essential for a washing system and our equipment will deliver it, maximizing the return of your plant.





## MATEC GUARANTEES:



### DRY CAKES

The average residual moisture is 20%, but we can squeeze cakes to obtain 7-8% residual moisture to dispose of easily or to recover concentrate



### CLEAN WATER

The water obtained from the dewatering is clean water ready to be reused or disposed of safely.



### COMPLETE TURNKEY PLANTS







## THE EXCELLENCE IN FILTRATION, BY NATURE

MATEC specializes in the design and development of waste water purification and filtration plants. We work for many different industries, the most important are: mining, aggregates, gravel, sand, stone, ceramics and glass. Our mission is the customer's satisfaction. That is why we offer timely after-sale service, as well as before-sale advice to understand the real requirements of our potential customers.



[www.matecitalia.com](http://www.matecitalia.com)

