



BAISCREEN **SERIES**

TRACK-MOUNTED MOBILE PLANTS



**"Because we know our job
and experience counts"**

Ulderico Baioni, President of Baioni



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Consult our catalogs to have a positive response to yours production problems.

WHY **BAIONI**?

Because mobile plants are becoming more popular

- >> mining permits are under time constraints
- >> better resale value and reusability
- >> they can also be used individually
- >> they are in line with the latest advancements in mining
- >> they effect substantial savings in personnel and transport costs

Needs and expectations

- >> thanks to modern technology, mobile plants can produce grain sizes that could only be achieved in the past with static plants
- >> output quality is equal to that of static plants

What exactly does Baioni offer?

- >> extensive experience in both fields of plant design: mobile and static
- >> competence in stone and rock processing
- >> a program and complete cycle of crushing and screening of all fractions

What are the potential areas of application?

- >> at all quarry types
- >> at recycling sites
- >> in tight spaces such as tunnels
- >> various building and road construction sites

The first mobile crushing and screening units equipped with electrical motors for material advancement and processing.

SINERGY **BETWEEN** **SAFETY** AND **ENERGY** **SAVINGS**

Baioni Crushing Plants SpA has created a system composed of different types of track-mounted mobile units for use in primary, secondary and tertiary crushing, screening and storing of inert materials originating from quarries, mines or recycling installations.

The innovative design of these mobile units consists of their complete and total reliance on electrical motors for operation, intended to allow for sustainable, environmentally friendly growth.

Diesel – direct drive
electric drive displacement
and operation.

Up to 495 kVA
power

 **Up to 35% less consumption**
in comparison to hydraulic drives



Considering how much industrial processes can have negative environmental impacts, Baioni Crushing Plants is increasingly looking for effective solutions for a more sustainable management of aggregates production.

Baioni track-mounted units can process Construction and Demolition (C&D) materials consisting of the debris generated during construction, renovation and demolition of buildings.



Reduction in energy consumption by about 35%



Elimination of bothersome oil leaks, lower environmental impact



The possibility of operating at a distance using a remote control



Less parts in motion, which means lower maintenance costs

INNOVATIVE BAIONI / COST-EFFECTIVE AND RELIABLE

Conventional drive systems (hydraulic)



100%

Direct diesel drive system



- 35%

These units are designed with the goal of meeting new challenges faced by the sector. They combine to form a production circuit complete with crushing and screening for a uniform production even in the most difficult of situations, while remaining individually usable.

All the units are the result of 3D assisted design that ensures perfect dimension of the structures, with no excess weight. This makes the units more maneuverable and safe, even in rough terrain.

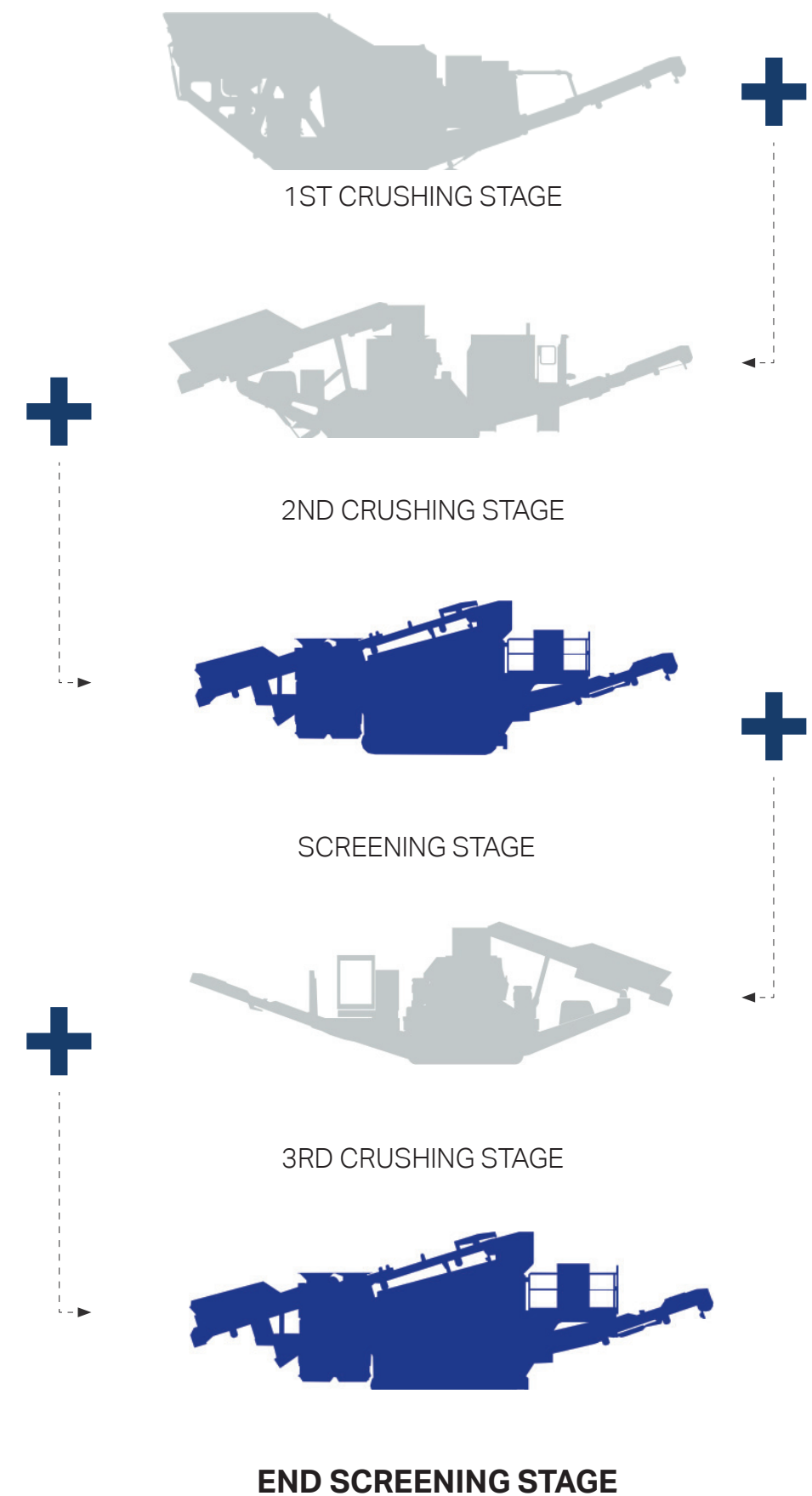
Ulderico Baioni, President of Baioni

THE PERFECT COMBINATION

When track-mounted units are in sequence, the primary and secondary jaw crushers, cone crushers and impact mills perform better.

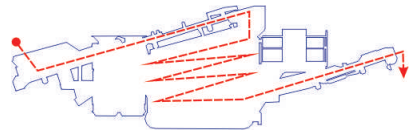
The electric power switches of each machine contained in a unit can be linked allowing for excellent control of material flow through each phase of the crushing and screening process.

- >> THE MACHINES COMMUNICATE, THE INPUT TO THE CRUSHER IS REGULATED BY A VIBRATING FEEDER AND CAN VARY WITH THE SIGNAL COMING IN FROM THE SUBSEQUENT SECONDARY CRUSHER.
- >> THE CONVEYORS AND TRANSPORT PARTS REMAIN IN MOTION AS A FUNCTION OF INCOMING LOADS, EXCEPT IN CASES OF BREAKDOWN.
- >> ELEVATED SAFETY DUE TO THE PRESENCE OF INTERLINKED EMERGENCY STOP BUTTONS IN EACH UNIT.



BAISCREEN

AT WORK (IN SEQUENCE)



Efficient dust suppression system: emissions reduced to a minimum by the water-air system, supplied on request.

up to 230mm
Max feeding size

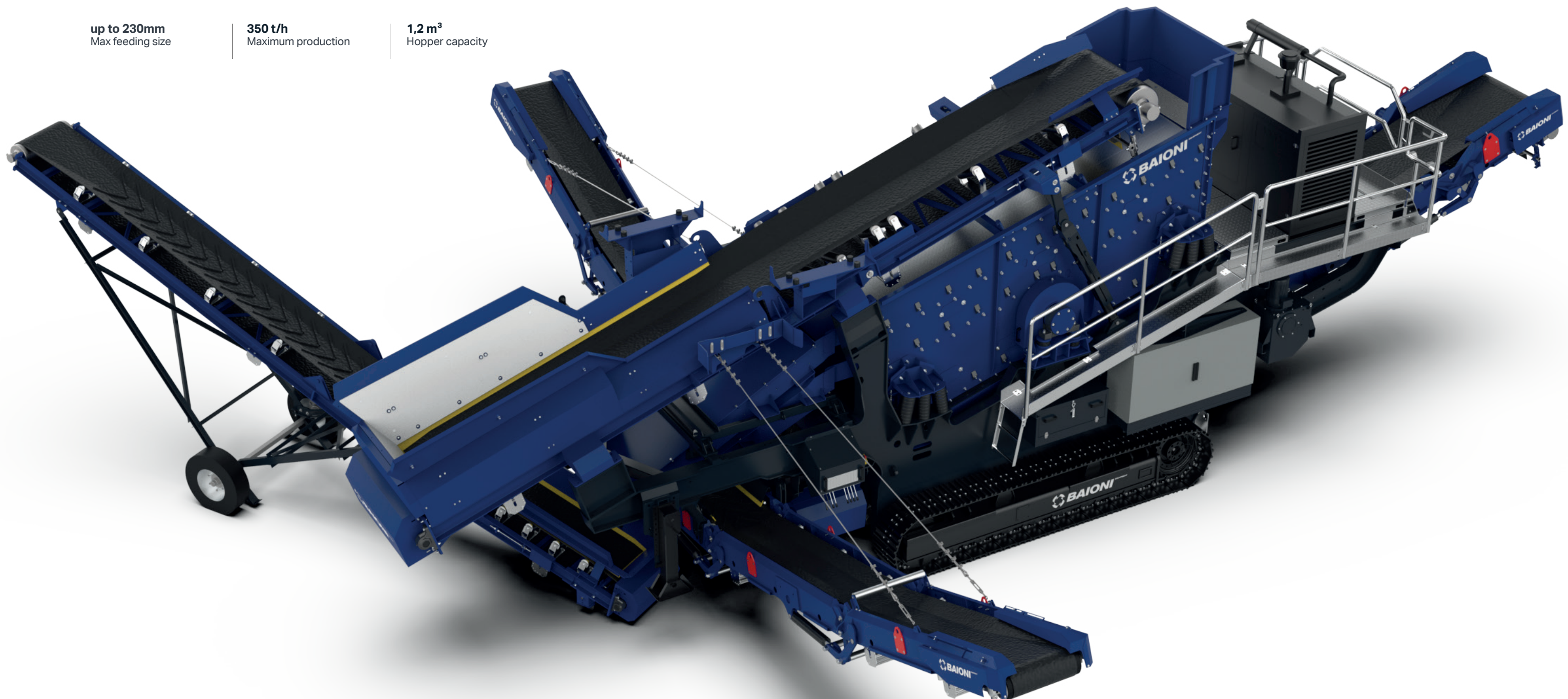
350 t/h
Maximum production

1,2 m³
Hopper capacity

The vibrating screen is the unit's main machine. It can be used to perform any sorting task, from rough screening to precise classification, for any type of material and a vast range of purposes.

The BaiScreen screening unit is available in 2 mode/s with different screening types.

Characterized by maximum versatility, it guarantees a maximum added value to the crushed product with a minimum investment and maintenance costs.



READY FOR ANY CHALLENGE

The different sizes of screen levels, guarantee the best quality screening.

The BaiScreen unit makes maximum use of the screening capabilities of W400/2, W400/3 for a maximum capacity that ranges from 240 to 350 tons/hour.

- >> ELECTRICALLY POWERED TRACKS
- >> HYDRAULIC FOLDING OF CONVEYOR BELTS FOR TRANSPORT
- >> EASY TO TRANSPORT AND REPOSITION
- >> INDEPENDENT MOBILE UNITS THAT CAN BE INTEGRATED WITH OTHER UNITS
- >> EXCELLENT ACCESSIBILITY TO THE SCREEN
- >> CONTROL BOARD SUPPLIED WITH AUTOMATIC SAFETY MECHANISMS AND EMERGENCY SHUTDOWN TRIGGER IN CASE OF BREAKDOWN.
- >> WIDE CHOICE OF SCREEN MEDIA AVAILABLE

01 Hopper with fixed sides for integration into a processing line or far being loaded with a conveyor belt or a loader.

02 Extraction belt conveyor on board that can be hydraulically folded and stored for transport.

03 Feed belt conveyor for screen.

04 Double or triple-deck vibrating screens.
The triple-deck model includes a third extraction conveyor with rubber belt.

05 Reduced consumption and fuel efficiency: **diesel engine** on board.

06 Belt conveyor for stockpiling or feeding of the next step.

07 Control board: easy and intuitive to use, quick diagnostics in case of breakdowns, PLC with a touchscreen for all utilities.

08 Extra-Jarge tracks, each equipped with its own electric motor.

09 Extraction belt conveyor on board that can be hydraulically folded and stored for transport.

10 Maximum stabilization during work phases: **stabilizers** equipped with standard hydraulic control.

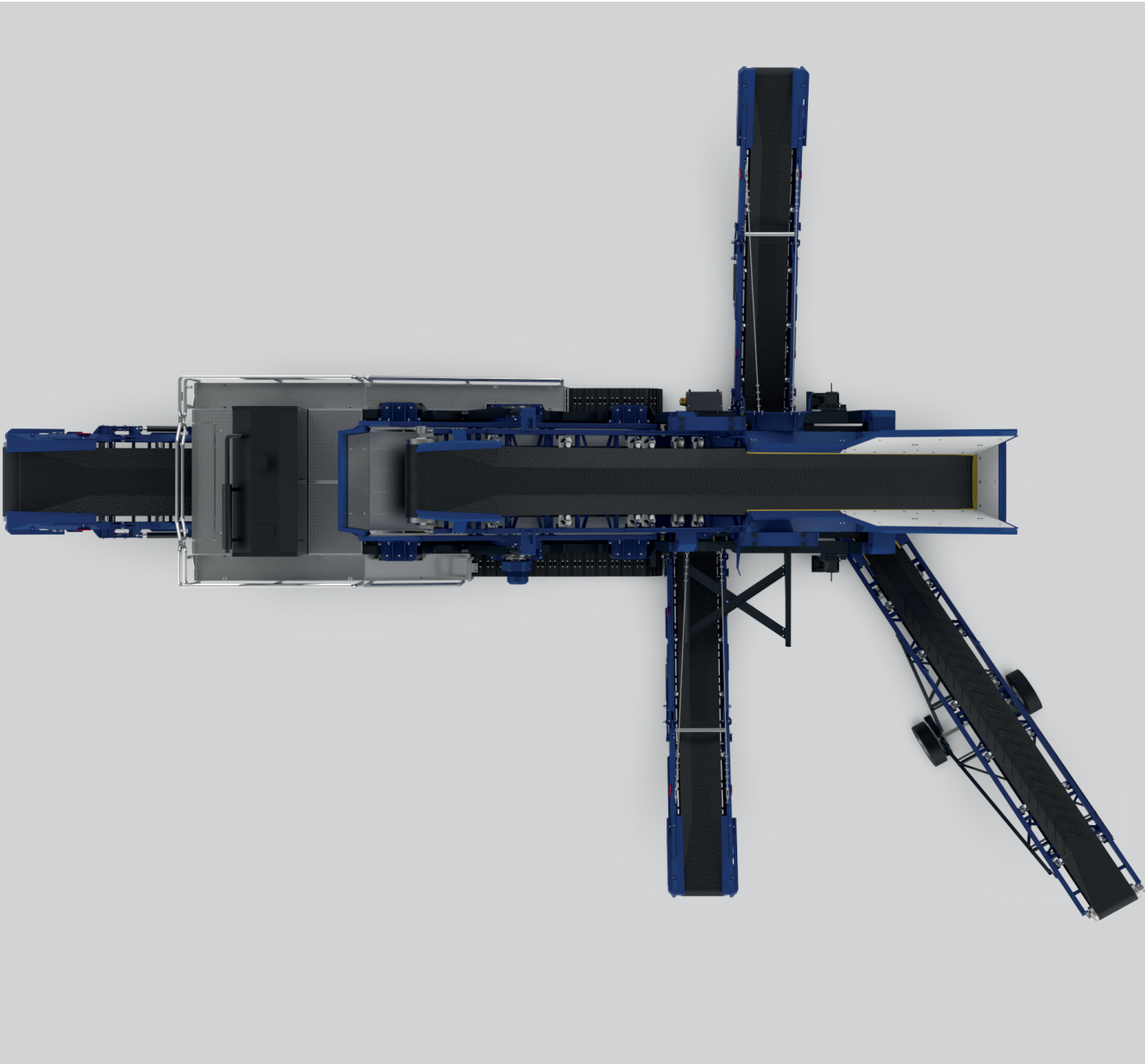


EASY TO TRANSPORT

The Baiscreen unit is also easy to transport thanks to its compact size, weighing between 27 and 29 tons. Easy to operate and fast to start up.

High flexibility
for the needs of
multisite quarries

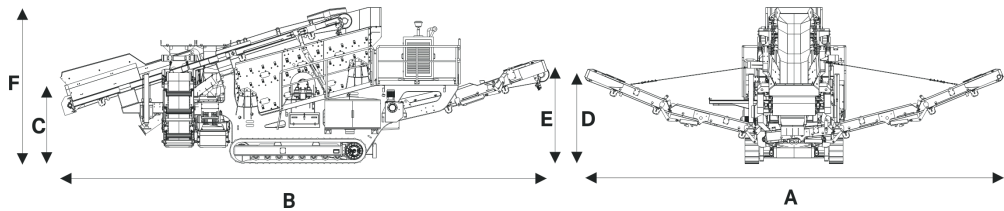
Simple set-up



BAISCREEN TECHNICAL DATA

Characteristics, photos and dimensions are not binding. Baioni Crushing Plants SpA reserves the right to modify the specifications without prior notice.

Type		Baiscreen W 400/2	Baiscreen W 400/3
Hopper volume approx.	m3	1,2	1,2
Feed capacity up to approx.	T/h	350	350
Feed size max	mm	230	230
Feed belt conveyor type		NTU 100/8	NTU 100/8
Rubber band dimensions	mm	1.000x8.000	1.000x8.000
Screen mode		W 400/2	W 400/3
Screen type		double-deck screen	triple-deck screen
Screen lower deck dimensions	mm	1.520x4.000	1.520x4.000
Screen middle deck dimensions	mm	-	1.520x4.000
Screen upper deck dimensions	mm	1.520x4.000	1.520x4.000
Screen weightapprox.	Kg	5.400	5.920
Main extracting conveyor (fine grain)		NTS 100/9	NTS 100/9
Side belt conveyor (right)		NTS 60/6,9	NTS 60/6,9
Side belt conveyor (left)	mm	NTS 60/6,9	NTS 60/6,9
3rd additional side belt conveyor on wheels		-	NTU 60/8
Generator	kVA	88	110
Drive concept		electric	electric
Control boad		on board	on board
Weight approx.	Kg	27.160	29.580



BAISCREEN DIMENSIONS












Type			Baiscreen W 400/2	BaiScreen W 400/3	
Dimensions mm	In Operation	Unit Width	A	10.200	12.130
		Unit Length	B	13.930	14.060
		Feed height approx.	C	2.085	2.085
		Side discharge height approx.	D	2.375	2.477
		Discharge height approx.	E	2.553	2.553
		Total unit height	F	4.064	4.467
	Transport	Width		3.071	3.071
		Height		3.520	3.918
		Length		12.590	12.597

CUSTOMER SERVICE



To grow together and achieve the best

Baioni provides a complete and professional after-sales service ensuring assistance and maintenance where required. For each plant, in every part of the world, spare parts and, where necessary, specialized technicians are sent, minimizing the downtime. **The Baioni Crushing Plants spare parts service is responsible for the after-sales management of equipment, ensuring a timely supply of the parts requested by the customer;** ready assistance to solve any problem and a continuous and competent information service on the characteristics of the machine and on the consultation of the documentation supplied with it. **From the moment of purchase, the Baioni customer is assisted in all phases of operation by competent technical and commercial consultants.** Baioni customer service programs also internal training courses for technicians who dedicate themselves every day to the care and maintenance of the machines; they are offered a training on site or at the Monte Porzio headquarter where every type of machine is available for testing and check.

-  Consultancy
-  R&D
-  Design
-  Technical and sales assistance
-  Site inspection
-  Production
-  Assembly and start-up
-  Staff training
-  After sales
-  Spare parts
-  Maintenance and service



Headquarter

Baioni Crushing Plants Spa Unipersonale

Via Cesanense 176
61040 Monte Porzio (PU) Italy
T. +39 071 7950313 - F. +39 071 7950207
www.baioni.it
baioni@baioni.it

Foreign branch offices

Baioni Cuba

5ta Avenida, No. 9208, entre 92 y 94
11300 Miramar, Playa
La Habana
Cuba
T. +53 7 2041486
baionicuba@baioni.it

Baioni Crushing Plants East Africa Ltd.

L.R. 12772 Old Mombasa Road
Machakos Athi River District - Athi River
P.O. BOX 58223 - 00200 City Square Nairobi
Kenya
+254 2000 712
+254 712 02 3231
baionieastafrica@baioni.it

