



A division of



WHO WE ARE

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# GRUPPO B&T

## Full Technological Partner

Since 1961, Gruppo B&T's service has improved the performance and production of many plants around the world and provides the complete solution for tile and slab manufacturers.

The Group operates in several segments of agglomerated quartz and sintered stone production, offering its customers:

- **Turn-key plants** for agglomerated quartz and sintered stone
- **Digital decoration** machines and digital graphic design projects
- **Surface finishing** technology and consumables for agglomerated quartz and sintered stone



## OUR CUSTOMERS

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With more than **2,500 customers worldwide**, Gruppo B&T is among the few technological partners in the industry that offers direct participation and accountability in its customers' results on a global scale. Furthermore, it is the only company that distinguishes itself from its competitors through **constant research and innovation**.

**The Group has 24 companies**, 17 of which are abroad in 12 different countries and on 4 continents. The widespread presence between sales and production locations allows Gruppo B&T to sell its plants in several markets, including: Spain, Germany, Russia, Algeria, Egypt, Turkey, United Arab Emirates, USA, Brazil, Mexico, Indonesia, Taiwan and China.

WHO WE ARE

# GRUPPO B&T

## Figures



### ***TURNOVER***

207 Mln Eur consolidated sales in 2021.



### ***COMPANIES AND BRANCHES***

The Group counts 24 companies, 17 of which are abroad in 12 different countries and on 4 continents.



### ***PEOPLE***

More than 800 people in the Group, 200 engineers in R&D; 240 people in Service.



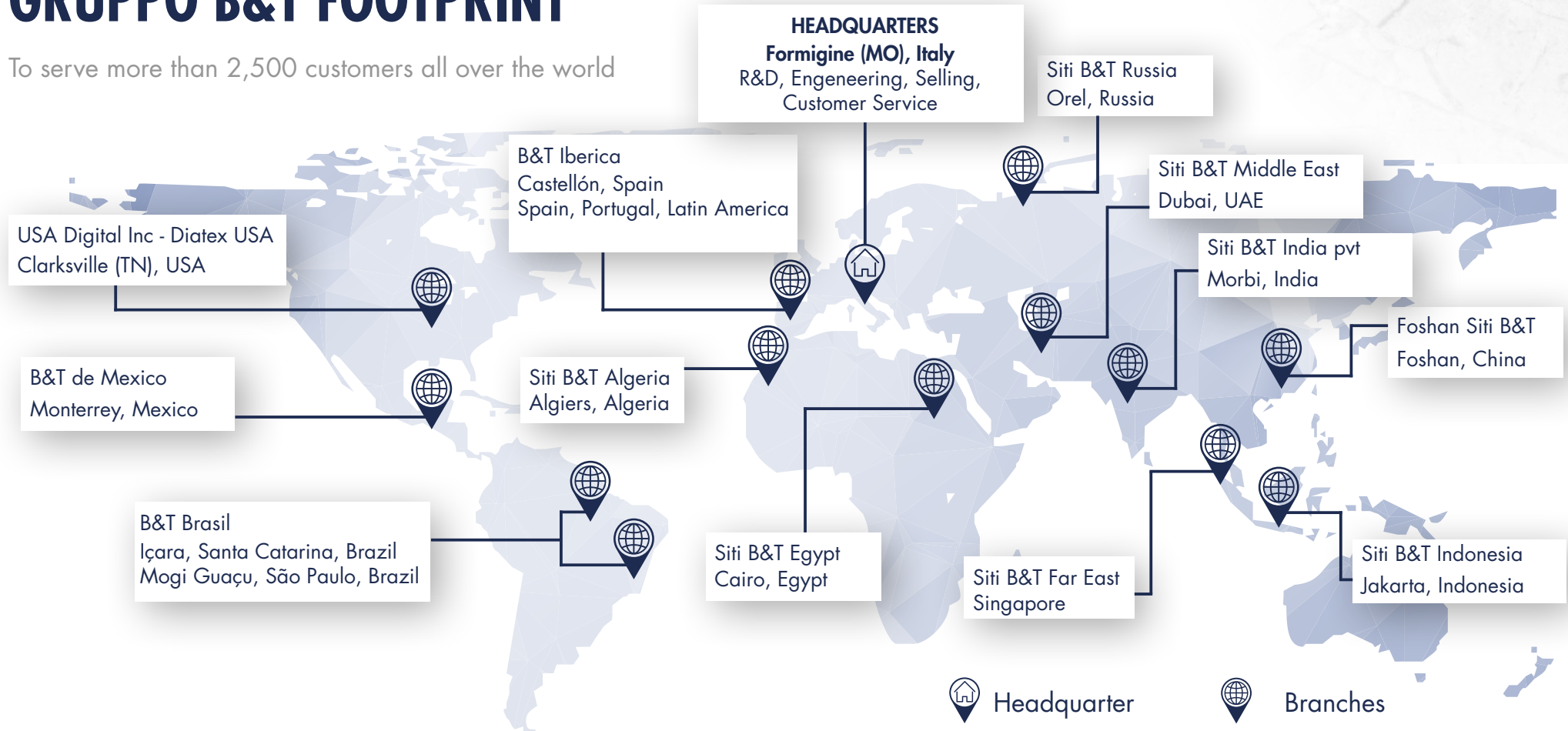
### ***INNOVATION***

5% of turnover invested on R&D each year, more than 200 patents - 50 registered between 2019-2021.

CLOSE TO YOU

# GRUPPO B&T FOOTPRINT

To serve more than 2,500 customers all over the world



## OUR VALUES

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# GRUPPO B&T

## B&T QUARTZ as a partner

- International Group present with branches all over the world.
- We supply complete **turnkey production lines** featuring a high degree of customization.
- We provide constantly technological innovation allowing to create **unique and innovative products**.
- Our process and machinery are optimized to save energy and being environmentally sustainable.
- Working with us means minimize the initial investment and reduce operational costs.
- We are the only alternative to existing suppliers in the western world able to supply certified and guaranteed technical solutions in compliance with local regulations.
- **Worldwide coverage** on after-sale services, spare parts and maintenance services.

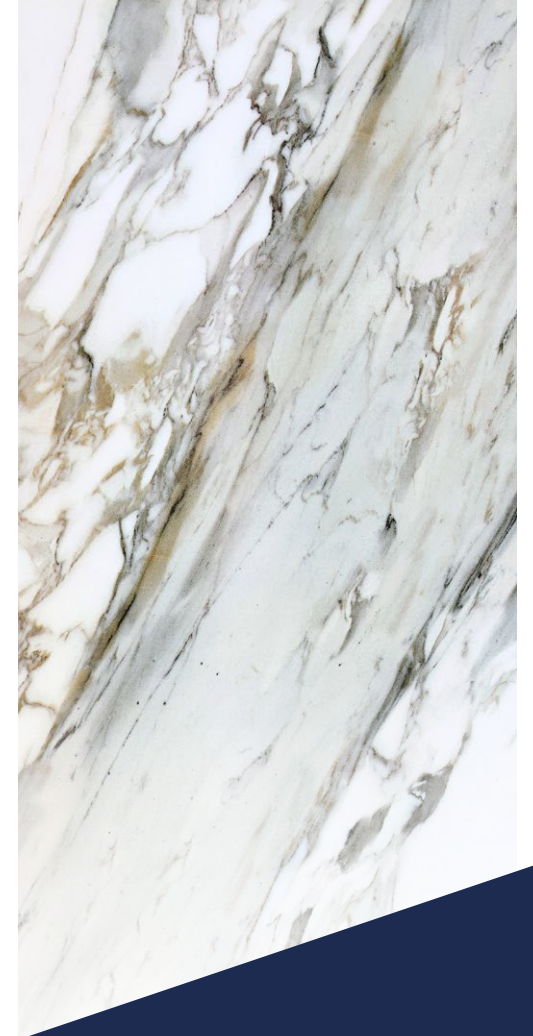
## DESIGNING AND CREATING THE DIVISION

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# B&T QUARTZ

B&T Quartz Division, entirely dedicated to the design and production of complete systems for agglomerated quartz, has been created to respond to the growing demand for **differentiation and innovation** in the agglomerated and engineered stone market.

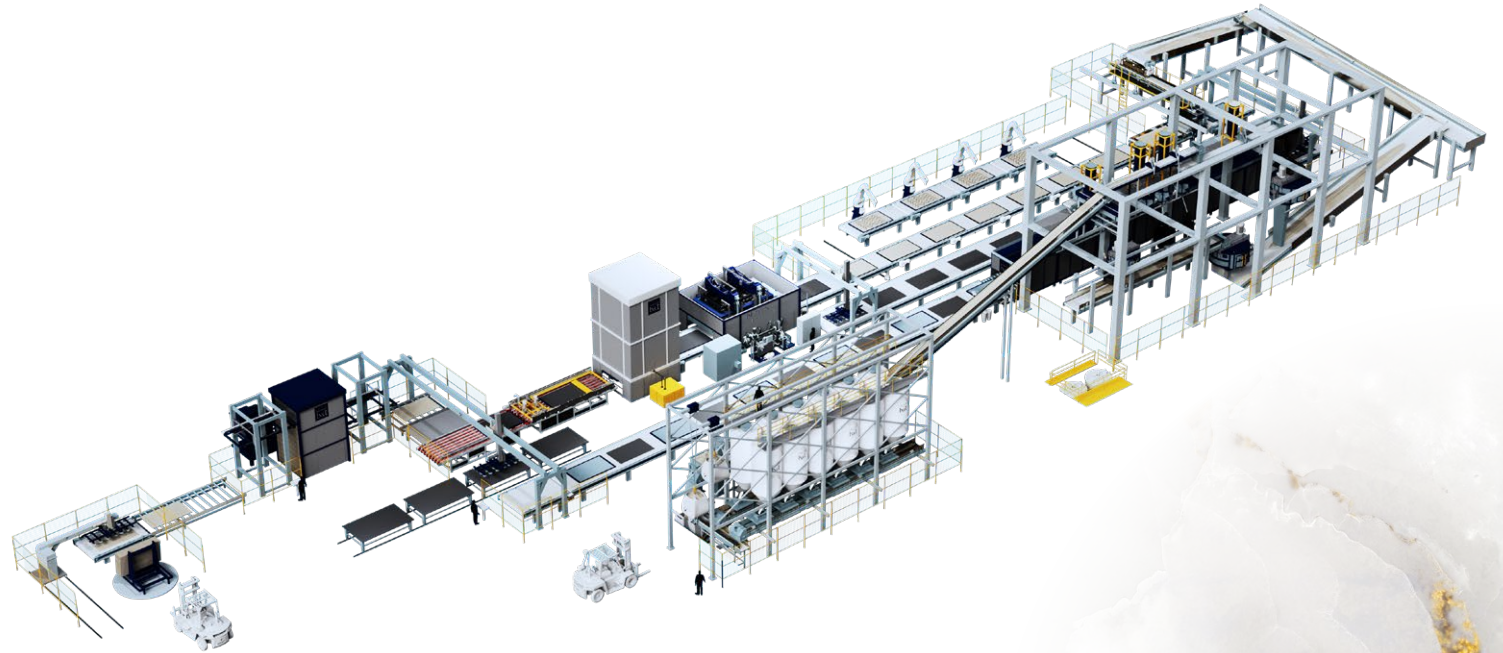
In particular, the B&T Quartz Division designs and manufactures plants for the **production and digital decoration of slabs**, available in different configurations in order to meet the different needs of customers in terms of production capacity, product features and capital investment.



THE NEW TECHNOLOGY DEDICATED TO QUARTZ

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# TURNKEY QUARTZ TECHNOLOGY





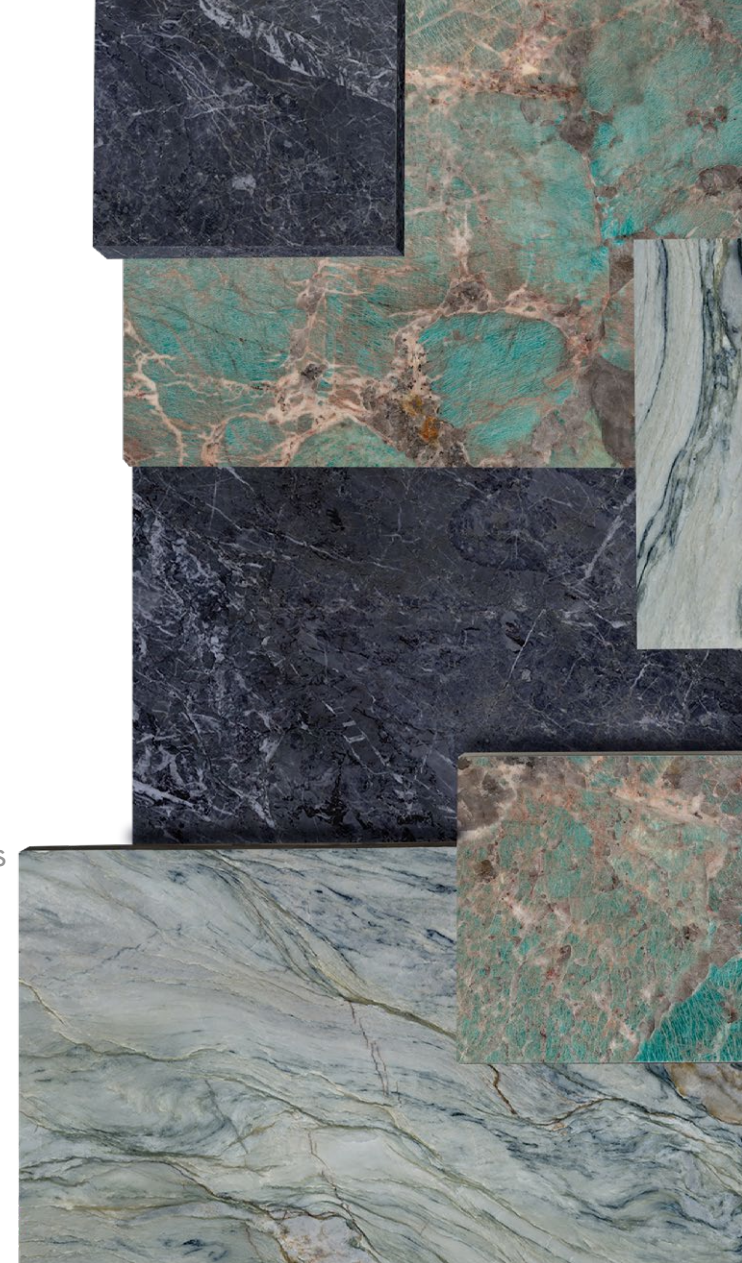


# B&T QUARTZ HIGHLIGHTS

B&T QUARTZ provides its customers with tailor made solutions featuring the most innovative systems and technologies applied to Quartz industry such as:

## *TECHNOLOGY HIGHLIGHTS*

- High plant productivity
- Premium energy saving systems
- Lower running costs
- Dust and VOC gases reduction
- Ready for production of last generation **E-Quartz**
- Noise pollution reduction system
- No need of deep and expensive foundations for the press, so reduced time and investments
- No transmission of vibrations to buildings and workers inside the plant





## INDEX

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# TECHNOLOGICAL CONTENT OF OUR OFFER

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*SLABS FORMING LINE*

2

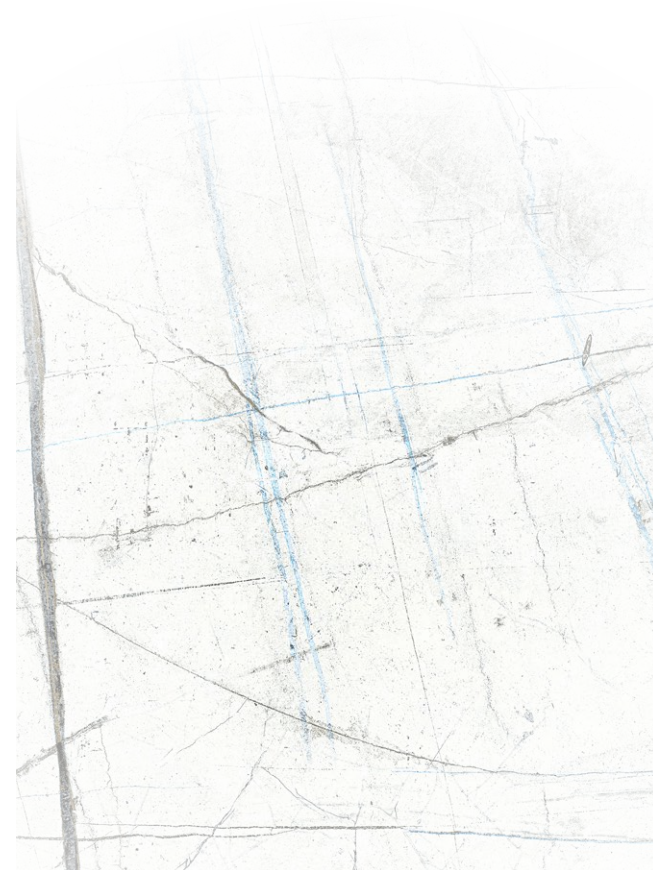
*FINISHING LINE*

3

*DIGITAL DECORATION*

4

*GRAPHIC DESIGN*



# 1.SLABS FORMING LINE

## Why Choose B&T Quartz Slabs Forming Line

Self-supporting compactor structure **without isolated foundations** as it does not transmit vibrations to the ground. The B&T Quartz compactor is using only the centrifugal force necessary for compacting the mixture without dissipating energy on the inertia block of the isolated foundation. **The patented double compaction system** allows to reduce the number of motovibrators and therefore their installed power. The compaction of the mixtures is obtained, with the same thickness, in **less time** than the traditional system.

### *PRODUCT HIGHLIGHTS*

- High productivity
- Thickness: 12, 20, 30 mm
- Sizes: slabs up to 160X320 cm (Jumbo size) and 215X360 cm (Super Jumbo Size)
- Full body decoration with flakes and grits
- High quality plain colors: white, black, grey,...
- Full-body vein decoration
- HD digital printing allowing the design of premium products not yet existing in the market and also allowing the recovery of second grade materials



# 1.SLABS FORMING LINE



## *RAW MATERIALS STORAGE, WEIGHING AND BATCHING*

Weighing and dosing the raw materials composing the mixture



## *MIXER AND HOMOGENIZER*

Blending and homogenizing the mixture



## *FEEDING THE MIXTURE TO THE DISTRIBUTOR*

Transfer the mixture to the distributor



## *VEINING SYSTEM*

Automatic systems for the decoration of full-body veins with the use of powders and liquids



## *SLABS PRESSING*

Vibrocompacting the mixture



## *HARDENING AND COOLING GROUP*

Catalyzing the slab and cooling down



# 1.SLABS FORMING LINE

## Raw materials storage, weighing and batching

B&T Quartz is able to supply premium solutions (from storage up to press feeding units) featuring a **high degree of customization**.

Our system can cover a wide range of applications, from **automatic transfer of raw materials** in big-bags by means of Laser Guided Vehicles to **precision dosing devices** to guarantee the utmost consistency. Then all raw materials are moved to the mixing area where resin, pigment and additive are added.



# 1. SLABS FORMING LINE

## Slabs pressing

The patented bt-TWIN® is a **double vibro-compression** under vacuum technology which allows energy saving and faster compaction without the need of expensive reinforced concrete foundations. This allows a reduction of costs and time for installation.

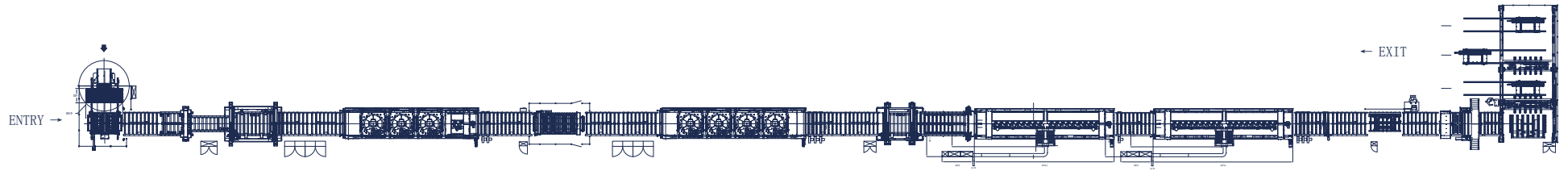
bt-TWIN® grants a perfect consolidation of the slabs and provides a **better damping of vibrations** thus avoiding to transfer them to objects and people present inside the plant.

Thanks to the absence of foundations, it is also possible to easily relocate the press and modify the line.

## 2. FINISHING LINE

### Why Choose B&T Quartz Slab Finishing Line

The exclusive polishing technology by B&T QUARTZ is sturdy and **flexible**, capable of polishing with the maximum **accuracy** all types of quartz slabs while preserving the integrity of the slabs themselves.





## 2. FINISHING LINE



*TRIMMING*



*CALIBRATION*



*POLISHING*



*CHAMFERING*



*DRYING*



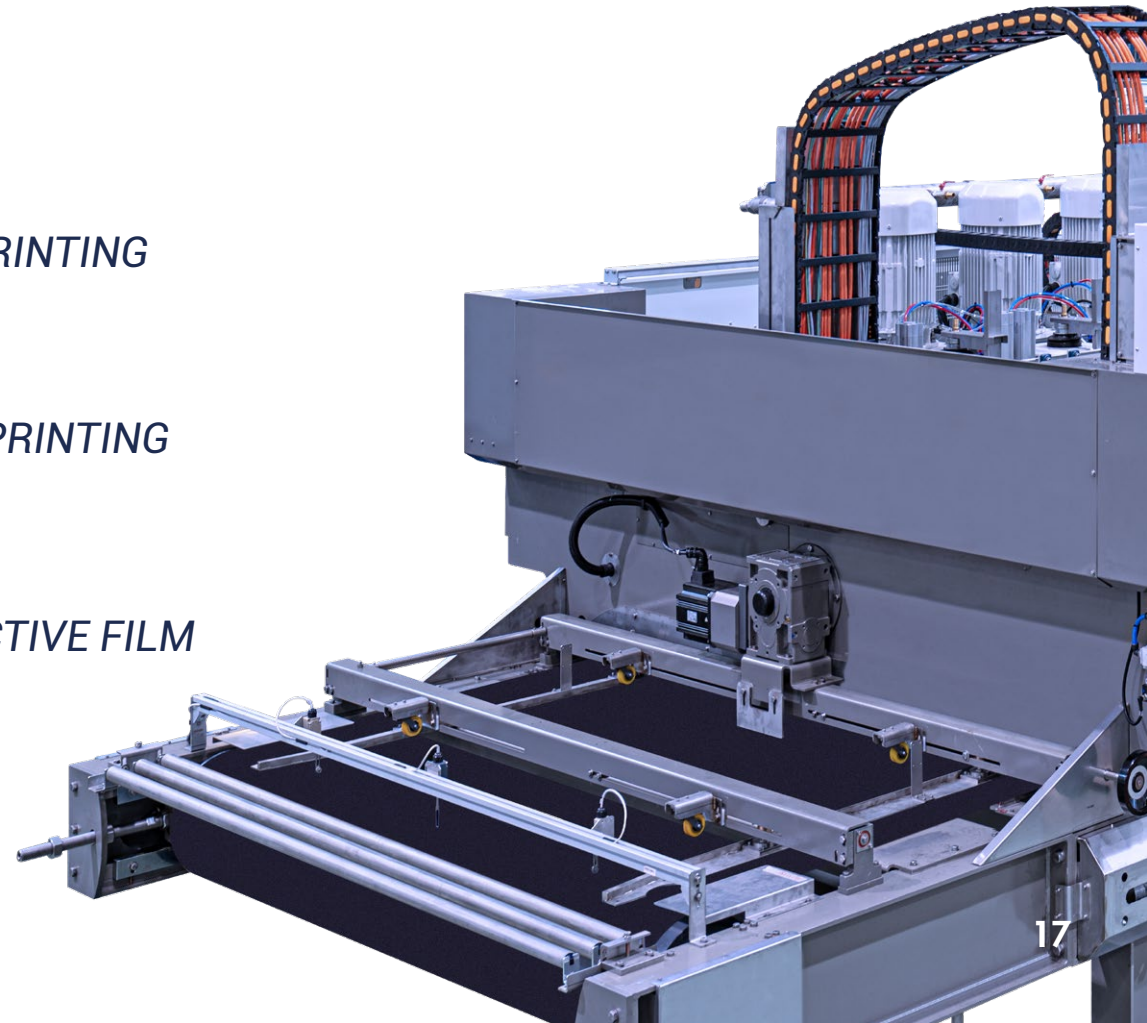
*SLAB PRINTING*



*LABEL PRINTING*



*PROTECTIVE FILM*





## ***SLAB LOADING***

Automatic slab loading from motorized turning table

## ***TRIMMING & CROSS CUTTING***

Side, head and tail cutting by diamond disc

## ***DRYING & CLEANING***

Using upper and lower blowers and rotating roller

## ***CALIBRATING***

Grinding the thickness of the back and main surface of the slab

## ***CHAMFERING***

Lengthwise and head and tail chamfering by floating heads



## ***POLISHING***

Automatic cycle machine for the slab surface polishing

## ***LABEL PRINTING***

Label printing 4"x4" with customized data input

## ***SLAB PRINTING***

Under the slab and front edge printing with customized data input

## ***PROTECTIVE FILM APPLICATION***

Automatic protective polyethylene film application

## ***SLAB UNLOADING***

Automatic slab unloading on trolley for the transportation of slabs



## 3. DIGITAL DECORATION

### Why Choose Q-Art Line

The first in class quartz slab printing process, allowing the **design of new unique products** not yet existing in the market. With Q-Art Line, B&T Slab Digital Decoration Line, and Q-Plotter® you can also **reassess the second-grade** quartz slab, printing on it the finest marble/stone graphic and selling it as a first-grade.



# 3. DIGITAL DECORATION



## *AUTOMATIC LOADING*

Automatic slab loading



## *SLAB CLEANING*

Rotating roller for cleaning the surface of the slab



## *PRE-HEATING*

Pre-heating the slab surface



## *DIGITAL PRINTING*

Q-Plotter® Digital Machine for printing on the surface of the slab



## *INK CURING*

Heating unit for the ink curing and cooling station



## *QUALITY CONTROL*

Station for the defect detection

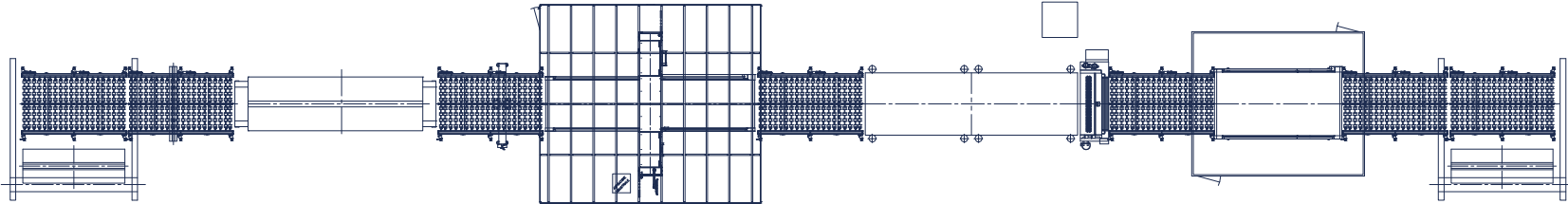
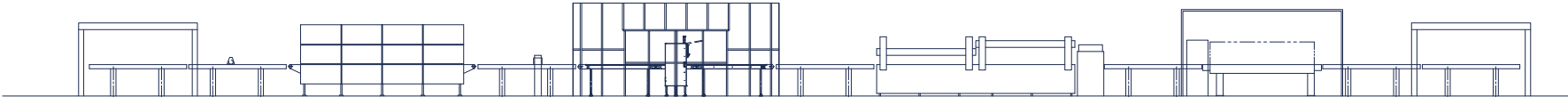


## *AUTOMATIC UNLOADING*

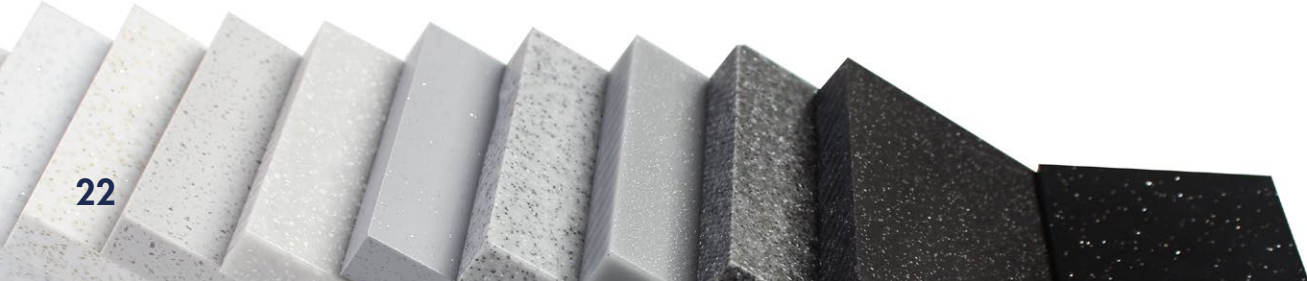
Automatic slab unloading



# Q-Art Line



DIREZIONE LAVORO  
WORKING DIRECTION



# 3. DIGITAL DECORATION

## Q-Plotter®

The Q-Plotter® is an **innovative HD digital printer** which allows the decoration of agglomerated quartz slabs with **unique graphics and designs**.





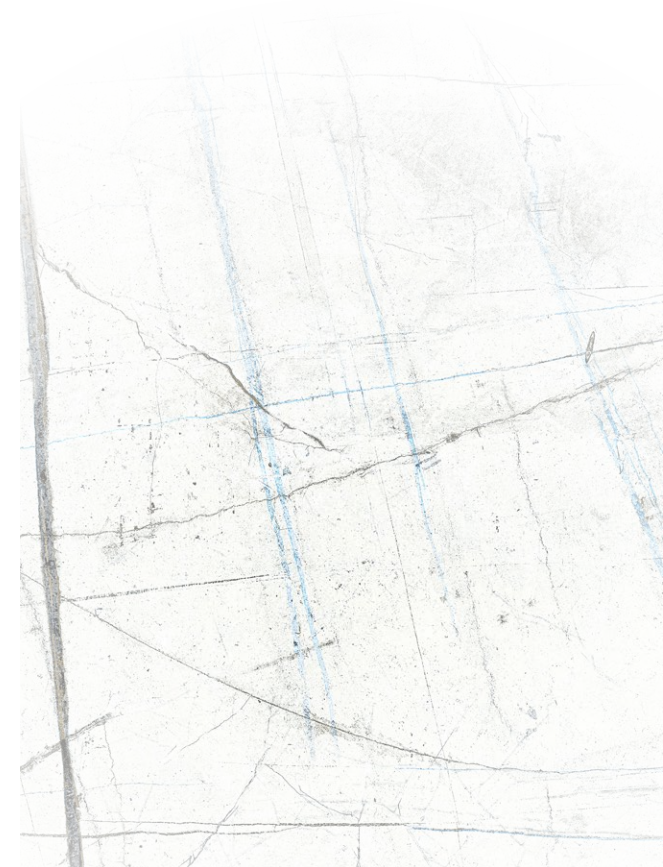
# 3. DIGITAL DECORATION

## Q-Plotter®

### SPECIFICATIONS

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- SIZES: SLABS UP TO 160X320 CM (JUMBO SIZE) AND 215X360 CM (SUPER JUMBO SIZE)
  - THICKNESSES: FROM 12 UP TO 30 MM
  - PRINT SPEEDS UP TO 65 SQM/HR
  - RESOLUTIONS UP TO 720X720 DPI
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# 3. DIGITAL DECORATION

## Q-Plotter®

### FEATURES & BENEFITS

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- HD definition
- Prints up to 8 colors
- Sublimation inks and UV led curing inks
- Increases productivity while reducing maintenance
- Minimum operating costs with decreased power consumption. Fewer consumable parts and less waste with consistent color output and simple operation
- A best in class printing process allowing the design of new unique products not yet existing in the market
- Recover value on stock: with this printing process Customer can reassess the second-grade material, printing on it the finest marble/stone graphics and selling it as a first-grade



## DESIGN AND DECORATION

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# 4. GRAPHIC DESIGN

## Why Choose Digital Design Graphic Design Service

Graphic design company to provide **precious design decorations** for quartz slabs to be used in B&T Slab Digital Decoration Line.

The B&T Quartz division provides its customers with **exclusive graphic designs** featuring innovative and exceptional patterns!

