



QTEQ

PREMIA

**MULTIWIRE
MACHINES OF
THE LATEST
GENERATION**

**WITH DIAMOND
WIRE MM. 4,3**



COMPANY BACKGROUND **HISTORY.**



Q-TEQ is an innovative company founded by Michele Bidese, a partner of the past **BIDESE IMPIANTI** company, which was established in Fara Vicentino - Vicenza (Italy) in the year 1987.

Throughout the years, **BIDESE IMPIANTI** became the leading Italian company to design and produce multi-diamond wire cutting machines for cutting of granite slabs from the main dimension blocks.

The technical experience and the stone processing passion developed by **BIDESE IMPIANTI**, allowed the company to courageously introduce very innovative technical solutions which, after some years of necessary development, started a real revolution in industrial cutting of granite slabs within the main stone processing factories worldwide.

From the beginning of the years 2000, the revolutionary multiwire machines produced by **BIDESE IMPIANTI** started to be appreciated in the main international markets for their productivity, quality and performances, so that many **BIDESE** multi-wire machines were supplied worldwide, together with their diamond cutting wires, in a optimized and competitive package of machines + tools.

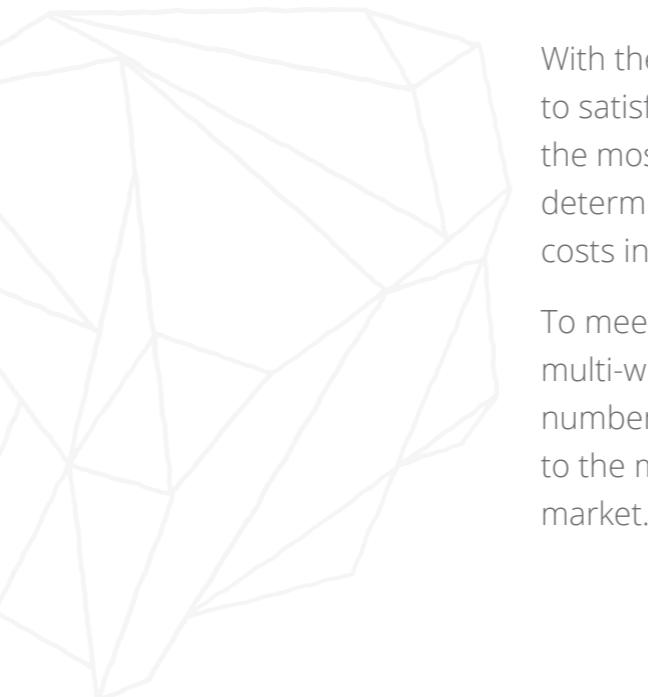
As the new multiwire technology become accepted, appreciated and requested, BIDESE initial challenge turned into a concrete reality and a great success.

Until the end of the year 2011, **BIDESE IMPIANTI** continued to expand its activities, supplying more than hundred multi-diamond wire machines in worldwide and becoming the international leader in the multi-diamond wire machines cutting technology.

In the year 2012 the partners of **BIDESE IMPIANTI** sold their business, while at the top of their success, being aware that the technology of multi-wire machines was reaching its maturity.

Having today available innovative technologies, with the qualified support of an experienced technical research team, **Michele Bidese** started a new chapter in multi-wire technologies with the new company **Q-TEQ** !

PREMIA IN ACTION 2018



COMPANY PROFILE **Q-TEQ.**

Q-TEQ: is a young company, but relies on a team of qualified technicians and on the many years of multi-wire technology experience of **Michele Bidese**, the main shareholder and company's president.

Q-TEQ is well aware that the diamond wire cutting technology needs new development steps and new challenges: for this reason, the company is strongly focused in the **research and development** of new technologies and more competitive solutions to propose to the international stone processors.

With the introduction of new technical solutions, **Q-TEQ** wants to satisfy the most ambitious production requirements of the most demanding stone processing companies, which are determined to **increase their quality** and reduce their cutting costs in the everyday more competitive market.

To meet this new challenge, **Q-TEQ** introduces today the new multi-wire cutting machines range "**PREMIA**", including a number of technical developments and advantages compared to the more traditional machines available at present in the market.

MANAGEMENT: MICHELE, MARCO AND STEFANO BIDESE

PERFORMANCES.



REDUCTION OF OPERATING COSTS

The new generation of multi-wires **PREMIA** allows a considerable reduction in operating costs due to lower power consumption, which is in average -20-25% compared to more traditional multi-wire machines.



REDUCTION OF SERVICE COSTS

The multi-wires **PREMIA** have been designed to be very efficient and very cost effective in their cutting operations: spare parts and consumables, such as the polyurethane profiles, are designed and EFFICIENT AFTER SALE SERVICE lower operating costs for the final customers.



FAST MAINTENANCE SERVICES

In Q-Teq we know the importance for our customers to rely on a punctual and efficient after sale service, so the company is organized with experienced technical staff available around the clock for remote assistance and with a team of experienced multi-wire technicians to service the machines at the installation sites, when a direct intervention is required.



QUALITY CONTROL

All machines components are carefully inspected and tested before being assembled. All construction phases go through a rigid quality checking system with the support of a total quality management software.



SUPERIOR CUTTING QUALITY

The multi-wires **PREMIA** have been designed to be very efficient and very cost effective in their cutting operations: spare parts and consumables, such as the polyurethane profiles, are designed and produced at the Q-TEQ factory, resulting in a higher quality and in lower operating costs for the final customers.



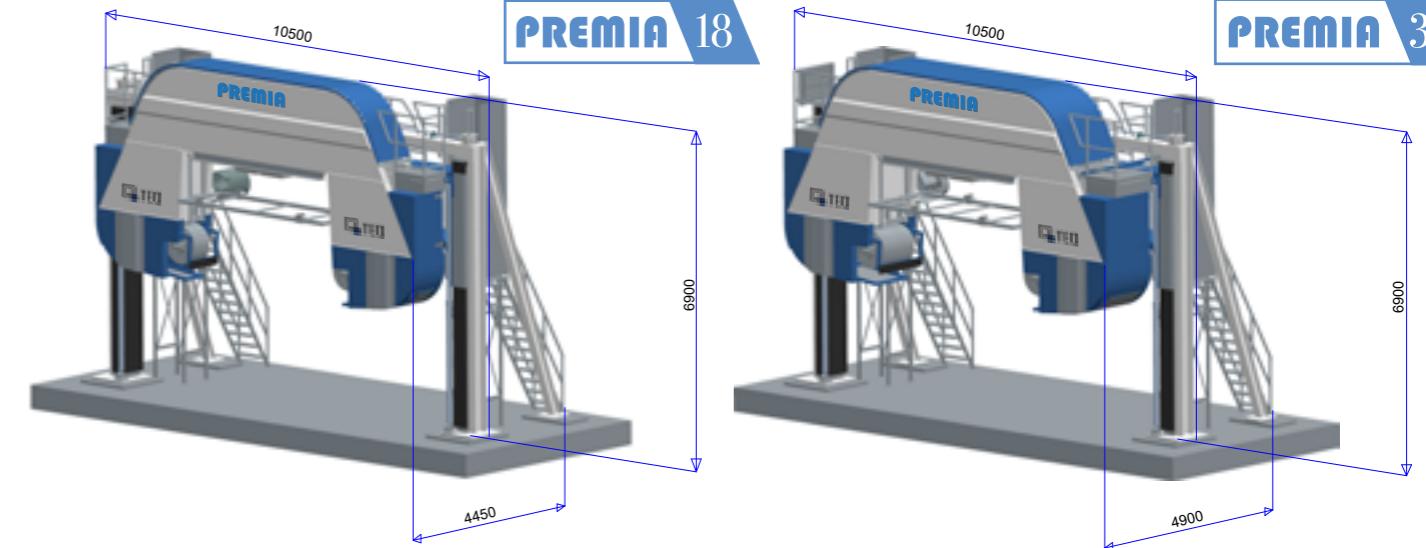
QUALITY AND CUTTING PERFORMANCE

Cutting precision is ensured by the structural properties of innovative **PREMIA** multiwire machines. The final effect of the slab cutting surface obtained owing to the innovative Q-TEQ system enables to reduce time and costs of polishing.



VARIABLE SLABS THICKNESS SETTING

Multiwire **PREMIA** were borne with a variable thickness setting to produce cut slabs from 2 cm to 10 cm and superior.



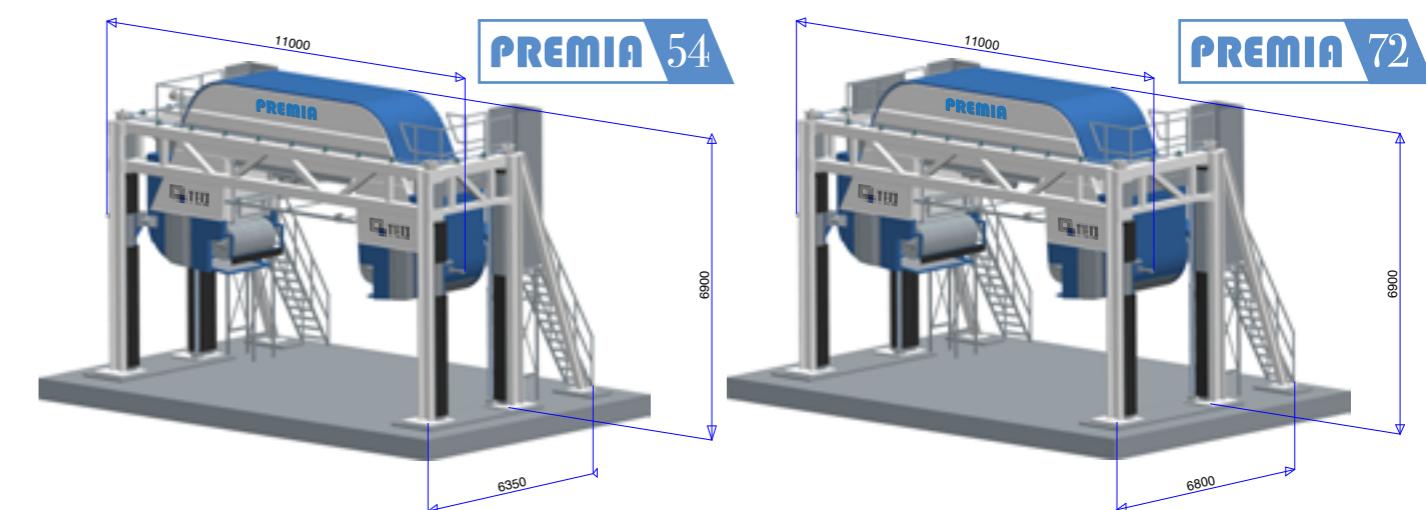
AVAILABLE MODELS THE NEW RANGE OF MULTIWIRES PREMIA.

Q-TEQ **PREMIA** multi-wires have been designed to be customized and therefore can meet any different customer's requirements.

For this reason **PREMIA** multi-wires are composed of a number of "modular elements" which can be assembled for each required number of diamond wires, for the preferred diamond wire diameter and for the different cutting areas requested, with rigid structures based on two or four columns, depending the dimension of the machines.

PREMIA multi-wires are also designed to cut with any different diamond wire diameters today available in the market, so customers who prefer a specific diamond wire diameter, may purchase the **PREMIA** multiwire model optimized to cut with their selected wire.

The base models of **PREMIA** multi-wires are equipped with 18, 36, 54 and 72 wires, but they can be customized also with an higher number of diamond wires, as the mechanical construction of **PREMIA**, such as the main four columns structure of the machine's portal, has been designed to be highly rigid and stable.



PREMIA ULTRA

Exceptionally stable construction designed on FOUR SUPPORTING COLUMNS enables to produce upon request **PREMIA** multiwire machine provided with over 72 wires.

TECHNICAL FEATURES OF THE PREMIA MULTI-WIRES.

Designed with an optimized triangular diamond wires loop circuit system, combined with the big diameter of the wire pulleys and the ability to be optimized to cut with any diameter of diamond wire, **Q-TEQ PREMIA** multi-wires **minimize the stress on the diamond wires** and are able to reach diamond wires yields (m² cut per linear meter of wire) which were until now never achieved !

Thanks to the sides pulleys of 1.500 mm diameter, the 1.000 mm diameter of the tensioning pulleys, the 700 mm diameter of the guiding wire drums, **Q-TEQ PREMIA** multi-wire can **optimize diamond wires life** (m²/m), cutting accuracy (minimum tolerance) and cutting performances (productivity in m²/hour) of the utilized diamond wires.

A mono-block structure supported by four columns is foreseen for models that exceed 36 diamond wires.

A great advantage of **PREMIA** is to have a **great stability** and, at the same time, to be very easy and fast in replacing and re-positioning the diamond wires thanks to a new advanced system which has studied and designed by Q-TEQ.

The new generation of multi-wire **PREMIA** is the highest expression of absolute innovation, associated with the revolutionary 4,3 mm diamond wire **exclusively produced by Q-TEQ**.

The advantage is expressed in more m² produced per m³ of cut stone, as high as 40 m² of 20mm thick slabs per each cubic meter of block, a goal never achieved until today.

Cutting performances and competitive costs are completely **guaranteed** by **Q-TEQ**

The innovative **PREMIA** pneumatic tensioning system offers also other additional important advantages:

very accurate tensioning of diamond wires and tensioning adjustment, according to the type of wire installed on the machine, allowing the wire to keep the **constant tensioning** during all phases of cutting.

The pneumatic tensioning system dramatically reduces the technical service requirements and also has a positive impact on the environment for the **elimination of hydraulic oil** in the system.

The **PREMIA** pneumatic tensioning and cutting management system allows to have at all times an **optimal diamond tool pressure** on the materials to cut, avoiding the typical possible problems of abnormal wear, "ovalizations" (diamond beads loss of their optimal cylindrical shape), cutting deviations and diamond wires breakages.

The accessibility to all areas of the machine for the diamond wires replacements or for changing the diamond wires cutting set up, is **fast and completely safe**, through **PREMIA** multi-wires access stairs and protection, respecting the most rigid international safety regulations.

LOCATION.



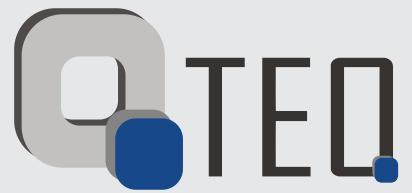
Q-TEQ. HEAD OFFICE IN RZESZOW

REMARKABLE INCREASE OF PRODUCTIVITY OF LABS PAR M3 OF CUT BLOCKS.

Q-TEQ PREMIA + Q-TEQ DIAMOND WIRE of 4,3 mm diameter is the solution offer the highest advantage

SLABTHICKNESS	WIRES DISTANCE	NUMBER OF SLABS PER CUBIC METER
20 mm.	25 mm.	40
30 mm.	35 mm.	28,57
40 mm.	45 mm.	22,22
50 mm.	55 mm.	18,18





SOLUTIONS FOR YOUR BUSINESS.

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