

PEDRINI HIGH TECHNOLOGY FOR MARBLE SLABS LANDS IN SYRIA.

An important system for the production of marble slabs produced by Pedrini has been purchased and started by ZEIN MARBLE AND GRANITE in Lattakia, Syria, a company belonging to the very important group ZEIN BROTHERS and CO. that has been operating on the domestic market for over 80 years in several sectors such as food, wood, steel and building materials.

The system lay-out has been designed in cooperation with the technical division of Pedrini for its installation in an existing shed covering a surface of about 3000 m², equipped with inner bridge crane and assisted by an outer bridge crane with runways about 150 m long.



The Pedrini system is composed of a cutting department, a resining department and a complete polishing line, with a yearly productive capacity of about 400,000 m².

The cutting department is equipped with three GS131 80-blade gang saws. These Pedrini gang saws are featured by systems with opposed control arms, for the rectilinear guide of the blade-holder frame, and ensure smooth and frictionless movements resulting in a long and serviceless life.

The slab finishing line is composed by a pre-polishing machine and polishing machine Galaxy B220, connected with a system of ovens and conveyors for the drying, puttying and resin hardening; it is equipped with 4 automatic sucker loaders/unloaders for the supply, the unloading and the intermediate transfers.

GALAXY B220 stands out thanks to the use of exclusive technologies ensuring the highest performance.

The machines are equipped with PC for an easier "touch screen" programming and management of all operating functions.

The ROTOR spindles - manufactured as enbloc systems with vertical sliding controlled by counter-pressure - operate the polishing heads and feature a direct motorization without transmission belt, eliminating every radial stress on the bearings, increasing their life significantly and eliminating maintenance interventions.



Thanks to their special structure, the ROTOR spindles use large diameter pipes operating in still position at the spindle centre for the tool lubrication; thus, no dangerous water leak can occur. The soft and even action of the highly technological multidirectional joint connecting the spindle to the polishing head and a perfect and easy centring system to the processing plane optimize the tool work and ensure top quality and productive levels. The resining line features a 40-position vertical oven with double heating system separate for the pre-heating section and the polymerizing section. The oven is supplied and unloaded by lifter moving at high speed along 4 columns. The PEDRINI lines play thus once again the protagonist role in the large series production of marble elements; meanwhile, ZEIN MARBLE AND GRANITE has got winning technologies and realized a high competitiveness level for many years to come by choosing the PEDRINI system.

