



PRECISION BRIDGE CUTTING MACHINE

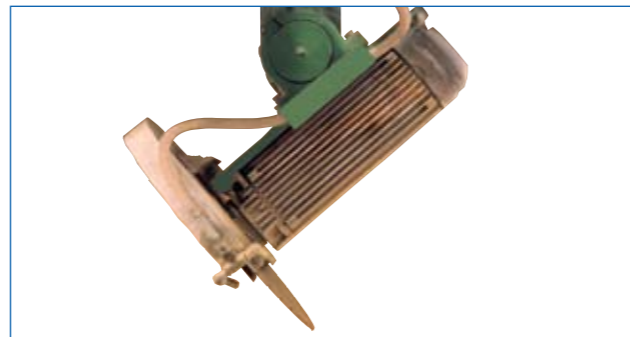
SNM-FR

General features

The bridge cutting machine «SNM-FR» is used for reducing marble and granite slabs into strips and tiles.

- The motor is directly mounted on the spindle. The spindle unit moves vertically by means of an electric motor and reduction gear. The operating head is moved back and forward along the bridge by a rack and pinion assembly driven by a reduction gear motor. It is installed on a slide that moves on the bridge on hard-chrome plated guides protected by suitable caters. The slide movement takes place on a perfectly protected oil bathed guides and its speed is electronically tuned.
- The heavy duty steel work table rotates manually on a completely sealed and lubricated roller bearing with a diameter of 500mm. It can be locked in any position

- from 0° to 360° and there are two locating pins at 0° and 90°.
- The insulated electric panel attached to the bridge provides the operator convenient access to all the controls (each function is protected by a thermal relay).
 - Electric cables and tubes are supported by nylon cable holding chains.
 - The 2-step digital preset counter and frequency inverter enables the operator to program acceleration and deceleration brakes for a precise cut with smooth moves.



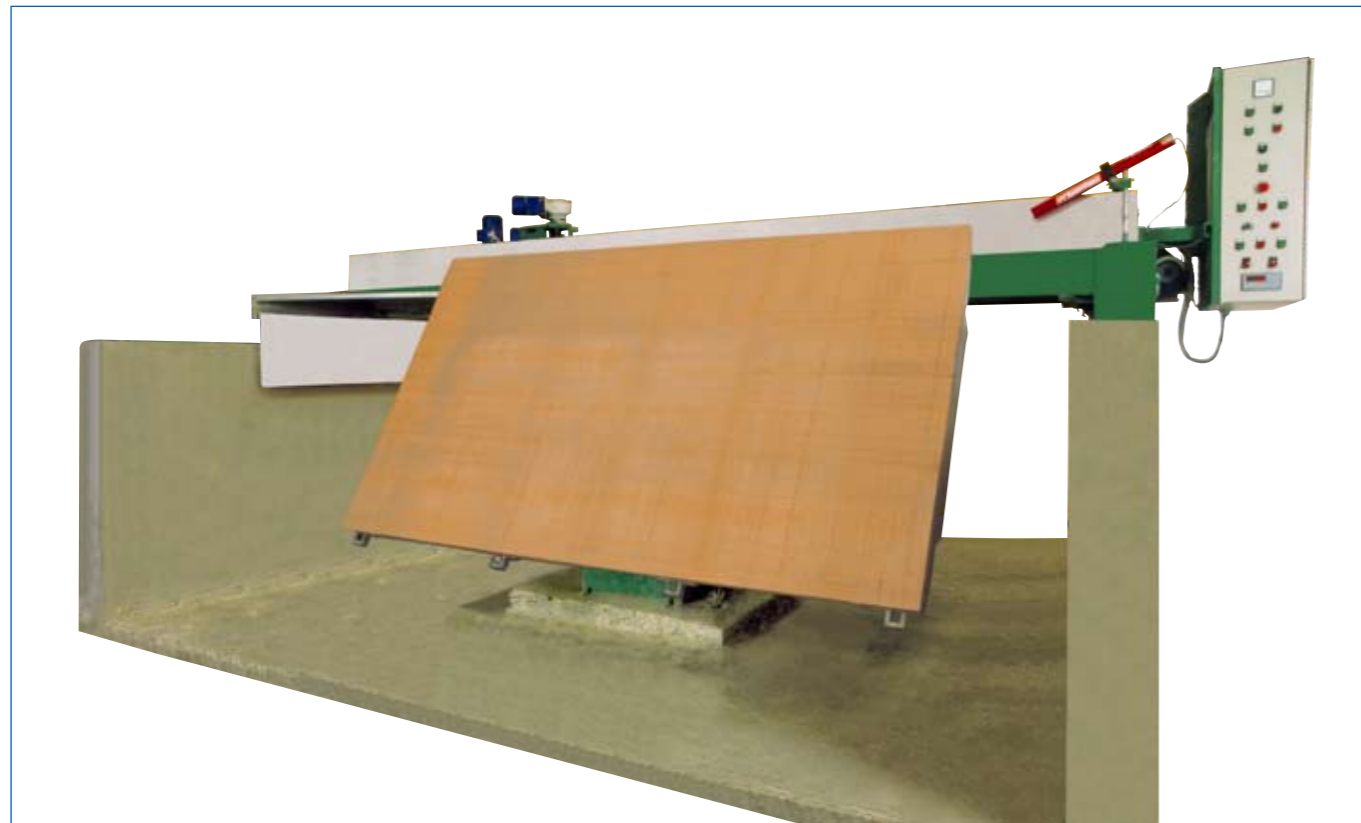
Spindle unit in inclined position

Optional features

- Double table.
- Manually adjustable tilt angle at 90° of the spindle unit.
- Stainless steel covers.
- A laser beam device enables precise diamond disk alignment which is very useful especially when working unsquared pieces.
- An automatic check-size system warns the operator in case the positioning of the head is not within the preset tolerance.
- The magnetic measuring rule with a precision of 1/10mm ensures that no mechanical clearance can ever alter the precision of the cut.
- The tilting table option reduces the down time encountered in loading and unloading slabs.
- The machine can be fitted with a copying device.



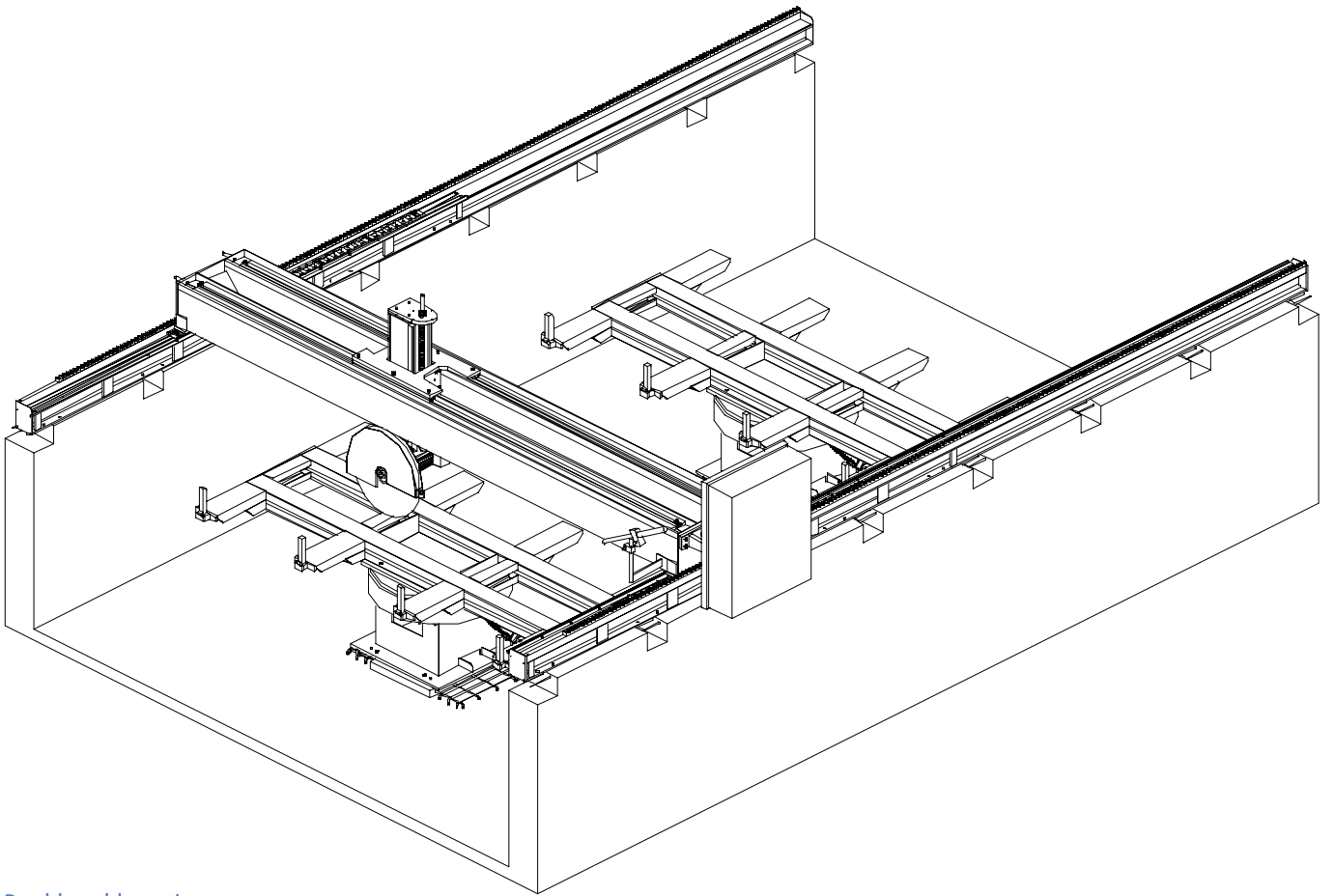
Control panel and laser beam alignment system



Tilting table option



Turntable workbench locked at 90°



Double-table option

Technical data

Diamond blade diameter	50cm / 62.5cm
Spindle vertical displacement	20cm
Main motor	15/20/25/30hp
Vertical displacement motor	0.5hp
Bridge movement motor	1hp
Rotary table dimensions	320x190cm
Machine overall dimensions	300x440x625cm

SNIC reserves the right to improve the product specifications and designs at any time without prior notice. Therefore, data provided in catalogues is indicative and approximate.