

Order Confirmation 913/2014

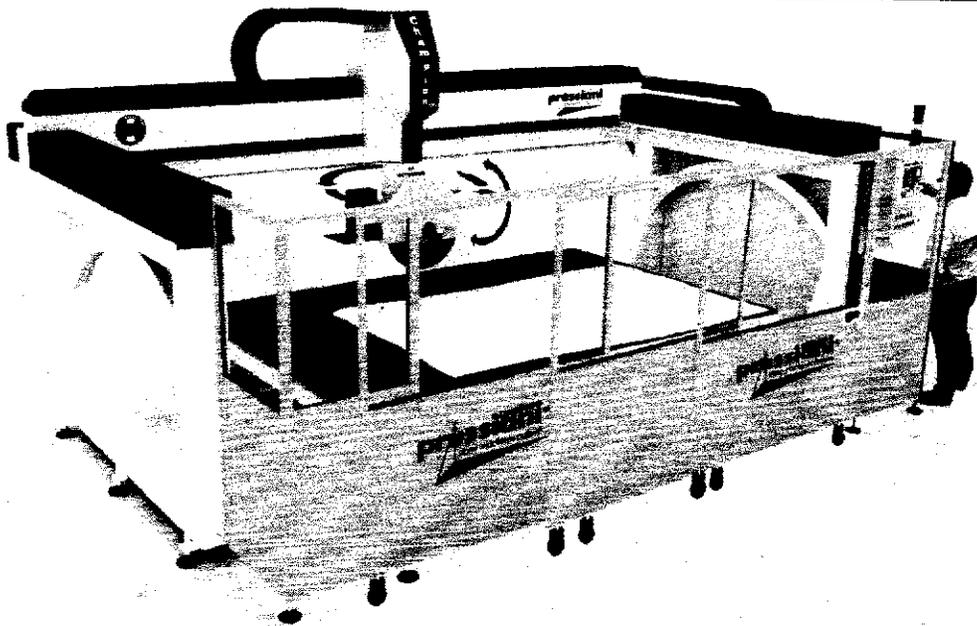


Accent Counters
426 MacArthur Ave

Redwood City, CA. 94063 Attn: Robert Hunt

Order Confirmation No.
913/2014

DATE. Aug 18th, 2014



NUMERICAL CONTROL BRIDGE SAW
FOR MARBLE AND GRANITE

TYPE: **CHAMPION 60 / MO**
-GANTRY-

/ CHAMPION 60 MO 1

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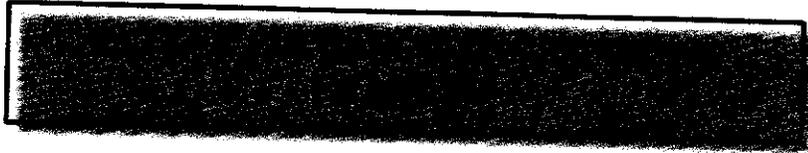


EN ISO 9001:2008



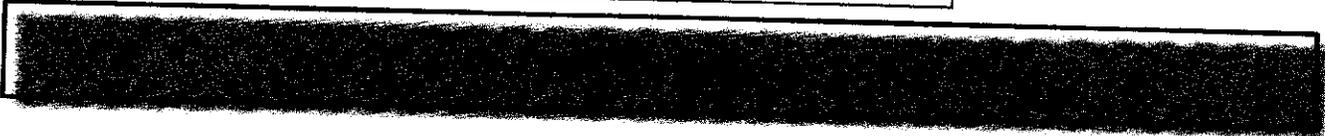
EX ISO 9001:1990





According to 

THREE - YEAR TOTAL GUARANTEE



- X axis stroke (transversal) 138" +/- (3,500 mm)
- Y axis stroke (longitudinal) 87" +/- (2,200 mm)
- Z axis stroke (vertical) 12" +/- (300 mm)
- A axis rotation from zero to 370°
- C axis tilting from zero to 90°
- Blade-holder motor power 24 HP S6 (17.6 kW)
- Cooling system for the blade external
- Max. disk diameter 24" +/- (625 mm)
- Numerical Control monitor touch screen 17" TFT LCD colour
- X axis top speed 164 ft/min +/- (50 m/min)
- Y axis top speed 246 ft/min +/- (75 m/min)
- Z axis top speed 26 ft/min +/- (8 m/min)
- A axis rotation top speed from zero to 370° in 4 s
- C axis tilting top speed from zero to 90° in 2 s
- Axes motors type BRUSHLESS
- Lubrication Automatic centralized greasing

- **Total max. absorbed power of the machine** 29 ½ Hp (22 kW)

- **Approximate overall total machine weight** 10,580 lbs. (4,800 kg)

- **Approximate overall dimensions of the machine:**
- length 225" +/- (5,207 mm)
- width 158" +/- (4,025 mm)
- height 108" +/- (2,750 mm)

/ CHAMPION 60 MD 2



The machine will be customized with the electrical cabinet mounted off the machine structure to fit within the Customer's spacing requirements.



The CHAMPION 60 MO system is designed and constructed with a **"bridge"** structure for the processing of natural stone.

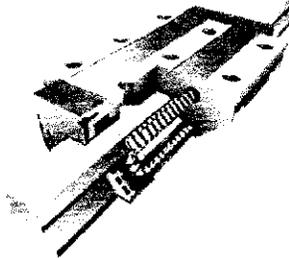
All of the details of this saw have been engineered and conceptualized to meet the steady processing demand of quarried stone.

The machine is composed of two fixed supports on which the bridge beam is able to slide in a longitudinal motion of the Y axis.

The blade motor is rigidly mounted to the bridge beam and slides in a transversal X axis movement along guides.

The X axis is anchored to the bridge structure in which the sliding guides of the vertical Z axis and A axis are allowed to rotate to the desired degrees.

/ CHAMPION 60 MO 3

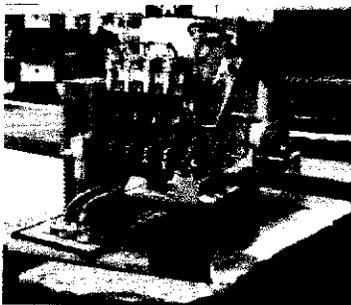


The transversal X axis, the longitudinal Y axis and the vertical Z axis run on precision recirculation roller guides, which eliminates mechanical play and increases the ability to make highly precise movements.

X-Y-Z axial movements occur through high precision rack and pinion system with teeth that have been tempered and ground. This system allows the machine high sliding speeds.

The Y axial movement (bridge beam) is a GANTRY-type, with two synchronized sidelong motors in order to assure the maximum stability and precision in the movements

Movement occurs through low inertia “brushless” motors which are controlled by digital technology and do not require regular maintenance.

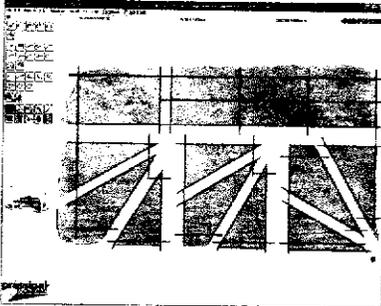


The system for the movement of work-pieces is installed directly on the blade motor assembly (Prussiani Engineering Patent # EP 1651409), to rotate work-pieces from 0° - 370°.

The system is controlled by two suction pads which have the ability when working together to lift a maximum weight of 1760 lbs (800 kg). and an individual weight of 880 lbs (400 kg) each.

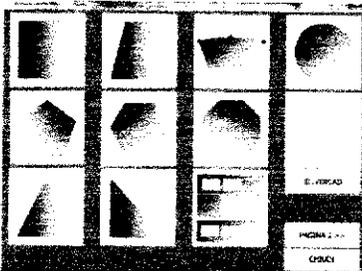
The pads are able to work within a minimum dimension of 2” (50 mm).

/ CHAMPION 60 MO 4



This program is designed for high speed production. It is a ready to use system, which assists the operator in the layout of the work piece.

The program stands out for its ease of use and its potential to work complex cuts. It comes complete with a drilling cycle for corner piece separations or for option of manual intervention drilling as the operator sees fit.



With the P-cam parametric software you can easily realize single and multiple linear cuttings, curved, polygonal and circular cuttings.

All of the electrical components are located inside a waterproof control panel (IP 55) which is in compliance with CE legislation.

As a safety feature the machine will not function if the electronic control panel (IP 55) is not securely closed.

/ CHAMPION 60 MO 5



A thermostat controls the internal temperature of the electronic storage box.

The maximum absorbed power is 29 ½ Hp (22 kW), Volts 400, Hz 50.

The diamond blades are cooled with external jets of water.

A 1" (33 mm) diameter pipe with a capacity of 13 gallons (40 lts) per minute and a pressure of 45 psi (3 bar) is necessary for the operation of the saw.

Recycled water from a filtration system is acceptable at 100 microns for external water flow

A ½" (21 mm) diameter pipe is required for the consistent supply of compressed air at a pressure of 90 psi (6 bar) and a capacity of 18 cfm (500 lts/min) for the movement of work-pieces.

The guides and the racks of the X-Y-Z axis are automatically greased from a centralized lubrication system. A constant control of the greasing levels and pressure by means of special sensors guarantees the smoothest operation at all times.

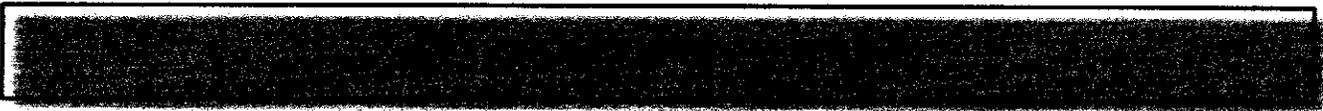
/ CHAMPION 60 MO 6





The bridge saw has been designated and constructed to work in automatic mode without the presence of an operator, for example overnight, or during the operator's break times.

Electronic devices and sensors keep the machine running perfectly and under control. If any irregularities arise during unsupervised operation then machine automatically sets itself in emergency stop mode to avoid any damage. (i.e. lack of water, compressed air, lubricating grease or other unexpected emergencies).



The machine is guaranteed for a period of **3 years**. This warranty covers problems related to all mechanical, software, electrical and electronic components within this time frame.

Travel expenses of our technicians to the nearest airport of the Customer's facility are included in the price. Travel expenses from airport to the client's facility and/or the boarding and lodging facilities are at the client's expense.

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