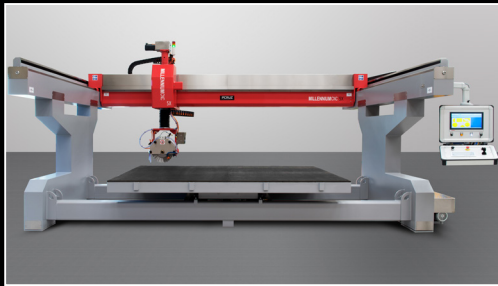


STONE MACHINERY **Catalog** 2017 *EDITION*

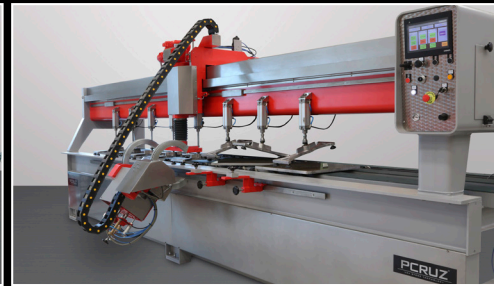
CUTTING



FINISHING



POLISHING



COMPLEMENTARY EQUIPMENT



1 (800) 995 3708

PCRUZ[®]
USA STONE TECHNOLOGY

PCRUZ USA

STONE TECHNOLOGY



ISO 9001
BUREAU VERITAS
Certification



After nearly 40 years of innovation and leadership in the global stone technology, **PCruz Group**, producer of high-quality machinery based in Europe, decided to establish **PCruz USA**, a company focused on the US market.

PCruz USA has been working for several years in the US market and has a full-scale presence. Being close to our customers is extremely important for us. This way we can understand their preferences and needs to provide the best solutions for their businesses.

In 2016, we have introduced a new edition of stone machinery customized for the US market. To help our customers find the most efficient way to satisfy their needs, we present three ranges of the machinery: **MILLENNIUM**, **IMAGE** and **VICTORY**.

Within these ranges our customers can find solutions for cutting, finishing and polishing for various materials, including marble, granite, quartz, porcelain and artificial materials.

To make our offering integrated and increase value for our customers, we provide a range of complementary equipment.

Our approach is to be a reliable long-term partner for our customers. We are here to offer perfect solutions for their needs and to provide them with the maximum level of product quality and service.



CONTACT US

1444 Biscayne Blvd, Suite 208-21
Miami, FL 33132

General: **1 (800) 995 3708**
Email: info@pcruzusa.com

Service: **1 (305) 582 4227**
Email: service@pcruzusa.com

Facebook: www.facebook.com/pcruzusa
Web: www.pcruzusa.com

PCRUZ USA MACHINERY RANGES

MEET ALL NEEDS

MILLENNIUM

Our **MILLENNIUM** range is designed for those who are willing to be one step ahead of the market and seeking the best in a CNC machine: precision, productivity, durability, cost efficiency and design.

The first generation of the machines was released in Europe in 2000 giving it **MILLENNIUM** name.

After more than 16 years of continuous development and improvement, new **MILLENNIUM** range represents the most intelligent machines in the market.

IMAGE

Our CNC machinery represented in **IMAGE** range is the best option for those who value high standards of quality and know the fair balance between productivity and robustness of a CNC machine.

IMAGE range offers an affordable CNC solution for top quality of finishing and high production volumes.

VICTORY

VICTORY range represents semi-automatic machines which constitute a compelling offering for those who do not need CNC machinery but never compromise quality and cost efficiency.

NCL machines of **VICTORY** range can perform a number of common jobs in a completely automatic mode resulting in very competitive productivity.

COMPLEMENTARY EQUIPMENT

We offer a thoroughly selected range of complementary equipment to help our customers get an integrated solution that completely satisfies their needs.

Usage of rotating cranes, laser measurement systems, water filtration plants and air cleaning plants allows for further optimization of operations and creation of smart and eco-friendly work environment.

PCRUZ USA MACHINERY RANGES (CONT-D)

MAKE YOUR CHOICE

CUTTING BRIDGE SAWS

MILLENNIUM

- CNC 5 axes Monoblock
- CNC 5 axes Indianapolis
- CNC 5 axes Indianapolis High Production
- CNC 5 axes Indianapolis CUT & JET
- CNC 5 axes Indianapolis CUT & JET Double Table

IMAGE

- CNC 5 axes
- CNC 5 axes Double Table
- CNC 5 axes JET Cutting
- CNC 5 axes JET Cutting Double Table

VICTORY

- Nice
- Standard
- Head Rotation
- Head Rotation NCL

FINISHING WORK CENTERS

- 420 CNC 4 axes Daytona
- 500 CNC 4 axes Daytona Jumbo

- 320 CNC 3 axes
- 120 CNC 3 axes Mini

- Nice Multifunctional
- Nice Multifunctional NCL

POLISHING EDGE POLISHERS

- CNC Monohead
- Double Head
- Belt Star Straight Edge
- Belt Golden Round Edge
- Belt Diamond Round Edge

- Backsplash

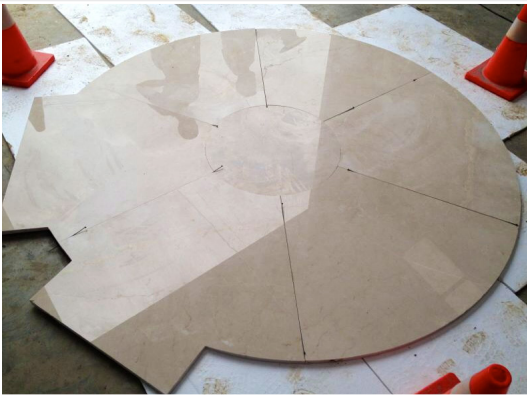
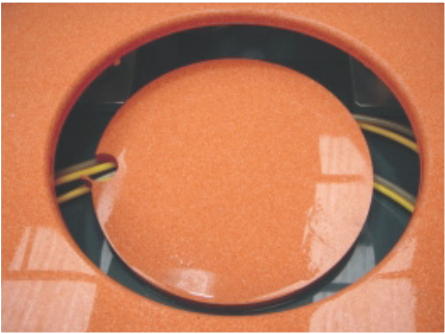
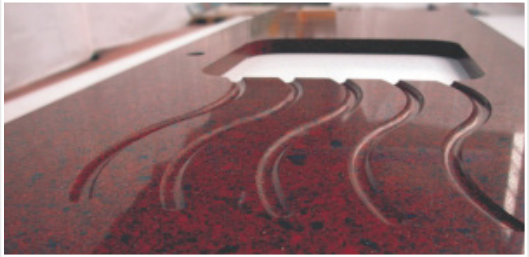
COMPLEMENTARY EQUIPMENT

- 360° Rotating Crane
- Laser Measurement System
- Water Filtration Systems
- Air Cleaning Systems

ONLY THE BEST
COMPONENTS



Note: Technical data presented in the catalog are provided for information purposes only. PCruz reserves the right to make technical modifications without prior notice.

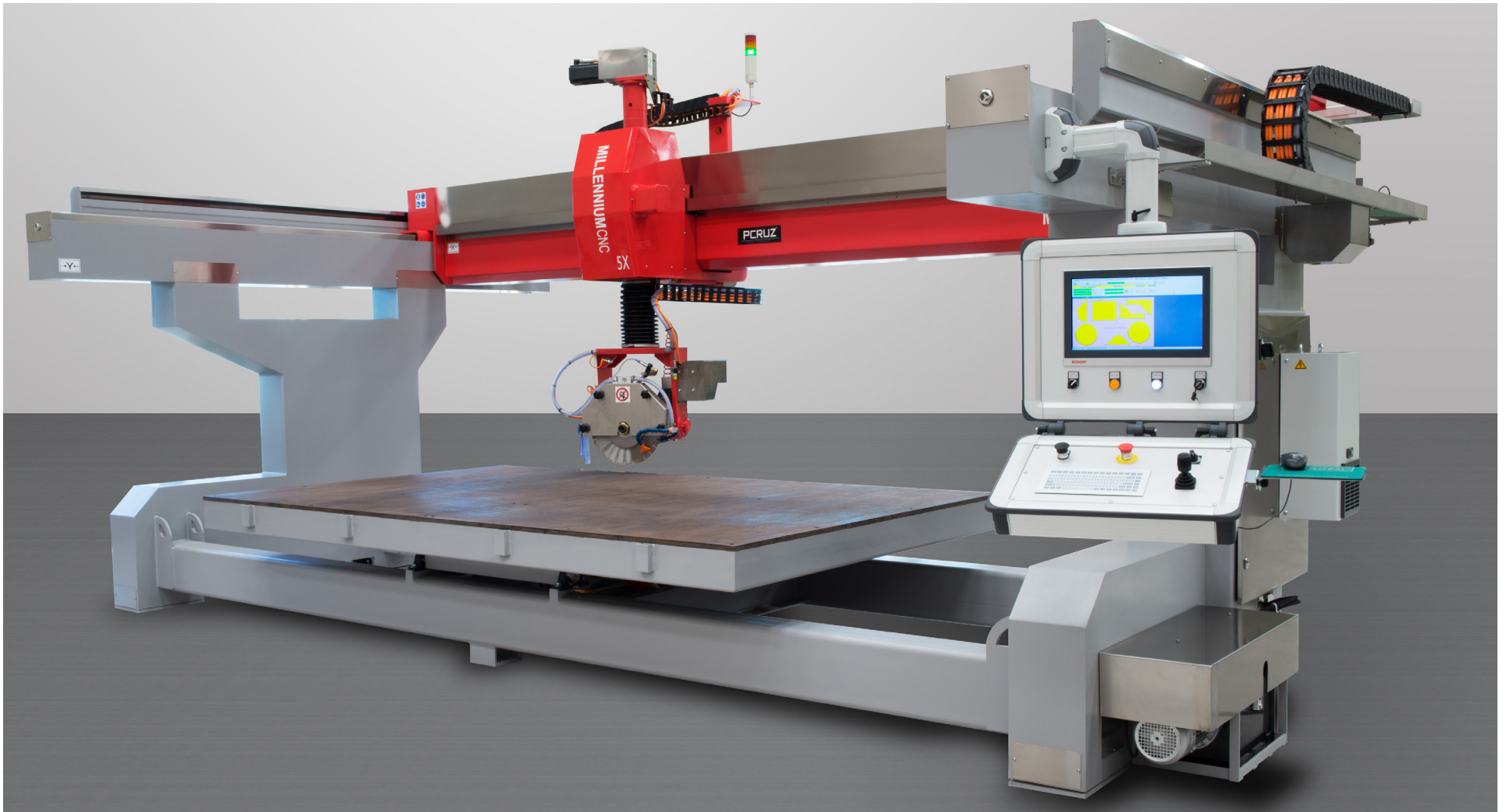


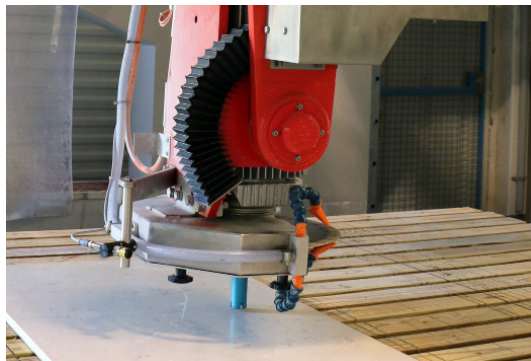
MILLENNIUMCNC 5 axes Monoblock Bridge Saw

MILLENNIUMCNC 5 axes Monoblock tops our cutting machinery range. It is the reference in the global market with over 250 units installed worldwide.

Strength and power of the machine allows processing materials of a wide range of thickness and hardness with guaranteed top-level quality.

All motion systems immersed in oil baths, full stainless steel protection, absence of transmissions, make the machine ideal for professionals seeking the highest production capacity and precision, as well as utmost durability.





TECHNICAL DATA AND DIMENSIONS

General

Blade diameter	350–400 mm / 13.8–15.7 in.
Main motor power	15 kW / 20 hp
Speed control	15 kW / 20 hp Speed Variator
Hydraulic central power	1.5 kW / 2 hp
Water consumption	10–15 l per min. / 2.6–4.0 Gal per min.
Voltage / Frequency	220 or 480 V / 60 Hz

Working speeds

"X" axis	30 m per min. / 98.4 ft per min.
"Y" axis	30 m per min. / 98.4 ft per min.
"Z" axis	4 m per min. / 13.1 ft per min.

Useful axes

"X" axis	3,300 mm / 129.9 in.
"Y" axis	2,000 mm / 78.7 in.
"Z" axis	65 mm / 2.56 in.

Dimensions of the machine

Length	6,240 mm / 245.7 in.
Width	3,600 mm / 141.7 in.
Height	3,128 mm / 123.1 in.
Weight	6,950 Kg / 15,320 lb

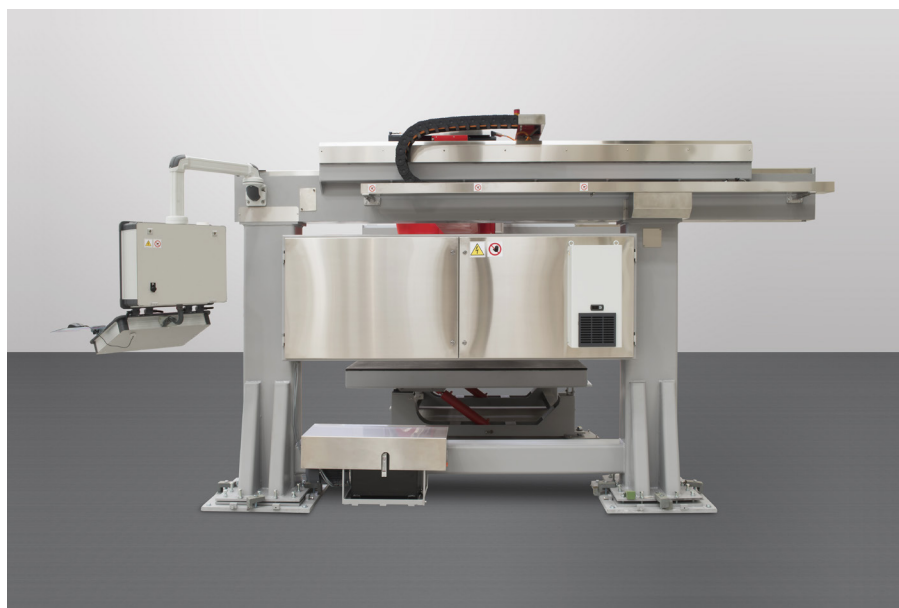


MILLENNIUMCNC 5 axes Indianapolis Bridge Saw

MILLENNIUMCNC 5 axes Indianapolis is a new concept bridge saw designed by **PCruz**. Our team of engineers and designers have worked tirelessly for years to create and refine this concept which will allow fabricators to customize machines to satisfy all their cutting needs in the future.

This machine was engineered on the foundation of our top-ranking bridge saw, **MILLENNIUMCNC 5 axes Monoblock** and shares all of its top-level features. Coupled with the possibility of further modifications, this makes **MILLENNIUMCNC 5 axes Indianapolis** the bridge saw of choice for many fabricators.





TECHNICAL DATA AND DIMENSIONS

General

Blade diameter	350–400 mm / 13.8–15.7 in.
Main motor power	15 kW / 20 hp
Speed control	15 kW / 20 hp Speed Variator
Hydraulic central power	1.5 kW / 2 hp
Water consumption	10–15 l per min. / 2.6–4.0 Gal per min.
Voltage / Frequency	220 or 480 V / 60 Hz

Working speeds

"X" axis	30 m per min. / 98.4 ft per min.
"Y" axis	30 m per min. / 98.4 ft per min.
"Z" axis	4 m per min. / 13.1 ft per min.

Useful axes

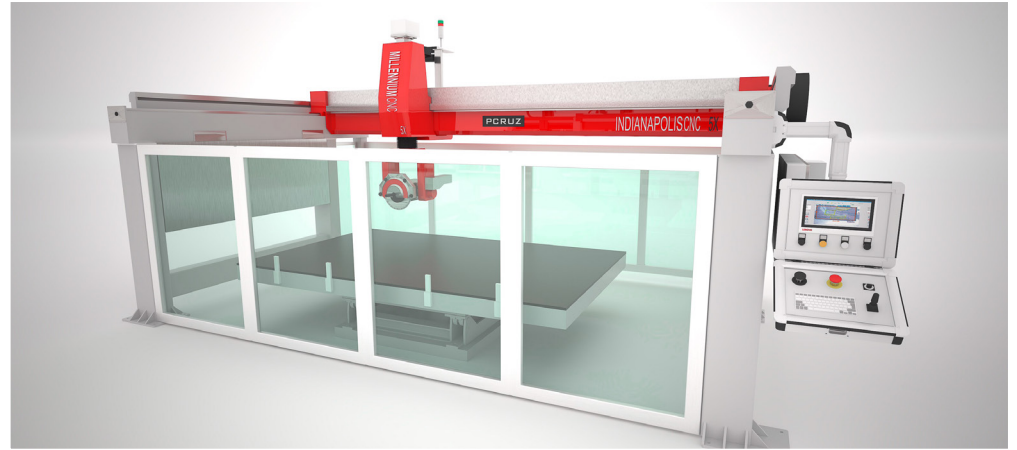
"X" axis	3,300 mm / 129.9 in.
"Y" axis	2,000 mm / 78.7 in.
"Z" axis	65 mm / 2.56 in.

Dimensions of the machine

Length	6,250 mm / 246.1 in.
Width	3,910 mm / 153.9 in.
Height	3,100 mm / 122.0 in.
Weight	6,950 Kg / 15,320 lb

MILLENNIUMCNC 5 axes Bridge Saws Range

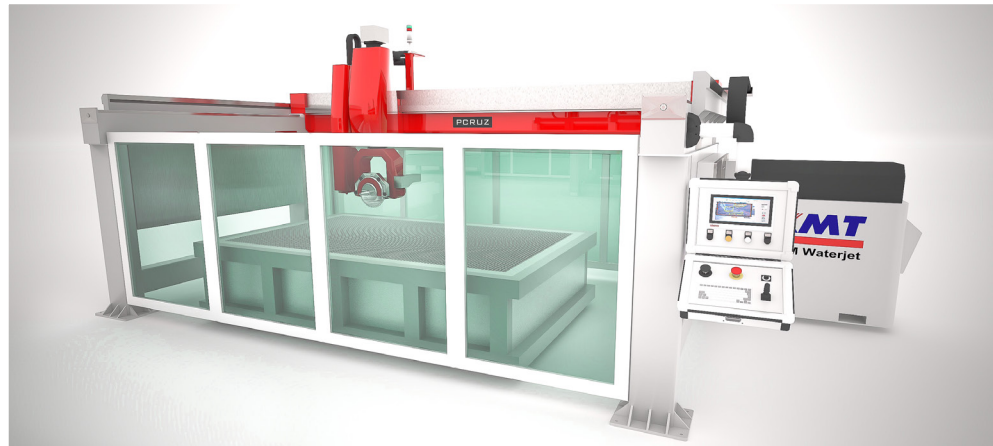
DIFFERENT MODELS TO MEET ALL NEEDS



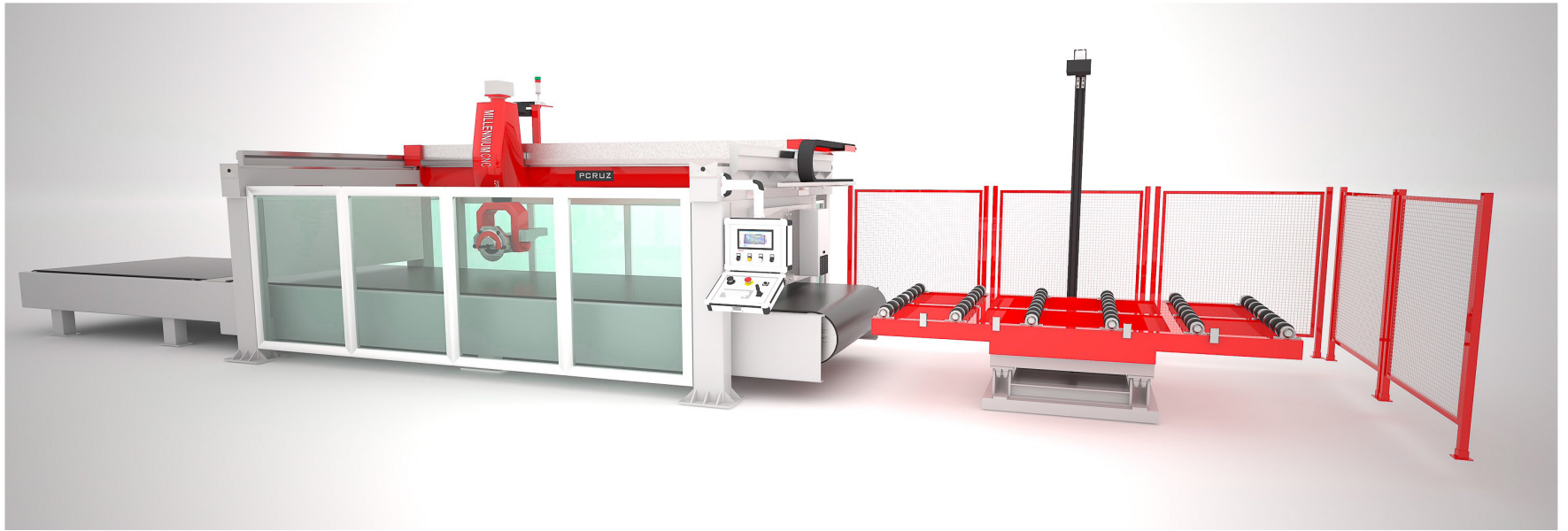
MILLENNIUMCNC 5 axes Indianapolis



MILLENNIUMCNC 5 axes Monoblock



MILLENNIUMCNC 5 axes Indianapolis CUT & JET



MILLENNIUMCNC 5 axes Indianapolis High Production



MILLENNIUMCNC 5 axes Indianapolis CUT & JET Double Table

MILLENNIUM420 CNC 4 axes Daytona Work Center

MILLENNIUM420 CNC 4 axes Daytona is the highest-ranked work center in our range. It features a large size, an extremely strong monoblock structure, all motion systems in oil baths, full stainless steel protection and other unique characteristics.

We produce our **MILLENNIUM420 CNC 4 axes Daytona** in accordance with the highest standards of quality for CNC work centers. We guarantee high productivity and precision, durability, low maintenance costs.





TECHNICAL DATA AND DIMENSIONS

General

Main motor power	11 kW / 15 hp
Speed control	11 kW / 15 hp Speed Variator
Max rotation speed	12,000 RPM
Water consumption	50 l per min. / 13 Gal per min.
Max number of tools	50
Toolholder cone type	ISO40
Tool refrigeration	Int. + Ext.
Air pressure	6 bar
Voltage / Frequency	220 or 480 V / 60 Hz

Working speeds

"X" axis	55 m per min. / 180 ft per min.
"Y" axis	40 m per min. / 131 ft per min.
"Z" axis	8 m per min. / 26 ft per min.

Useful axes

"X" axis	3,300 mm / 129.9 in.
"Y" axis	2,000 mm / 78.7 in.
"Z" axis	300 mm / 11.8 in.

Dimensions of the machine

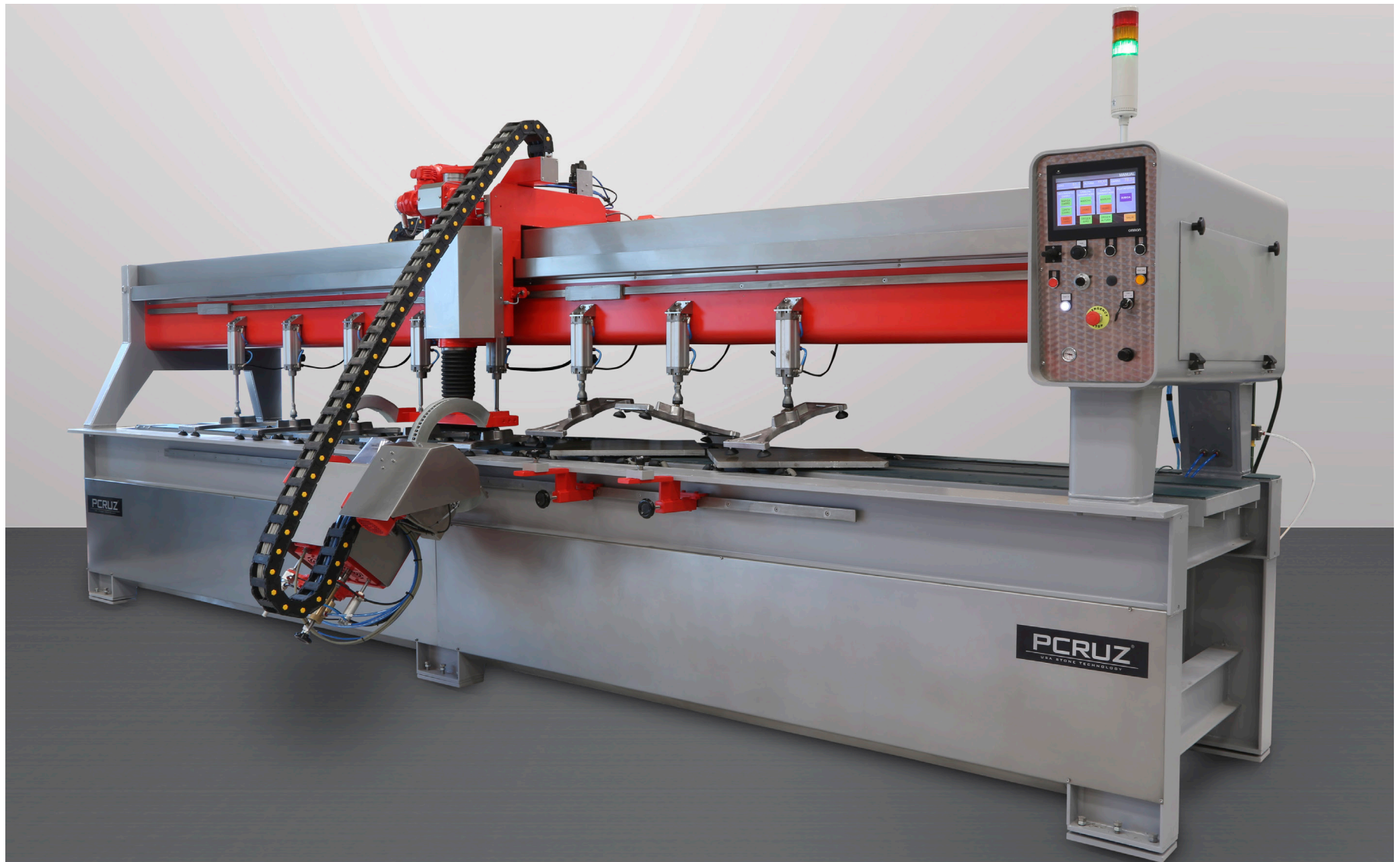
Length	6,200 mm / 244.1 in.
Width	3,845 mm / 151.3 in.
Height	3,125 mm / 123.0 in.
Weight	7,890 Kg / 17,400 lb

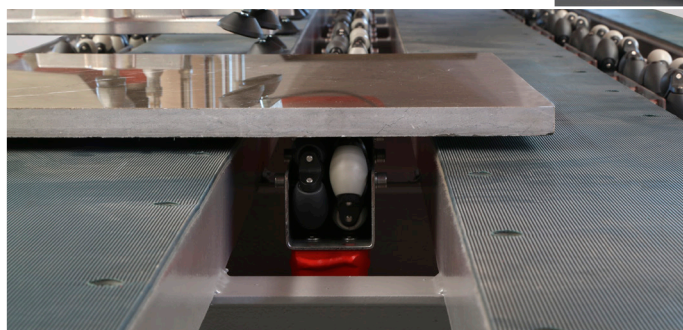
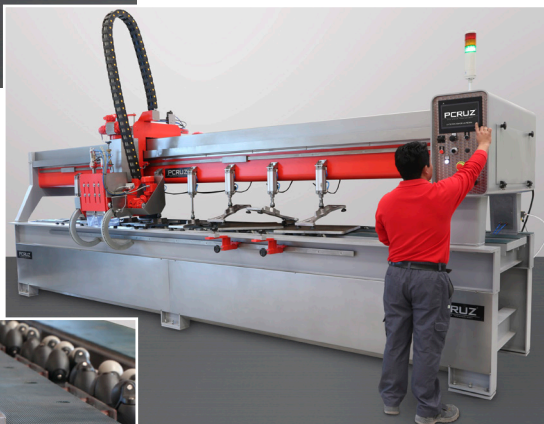
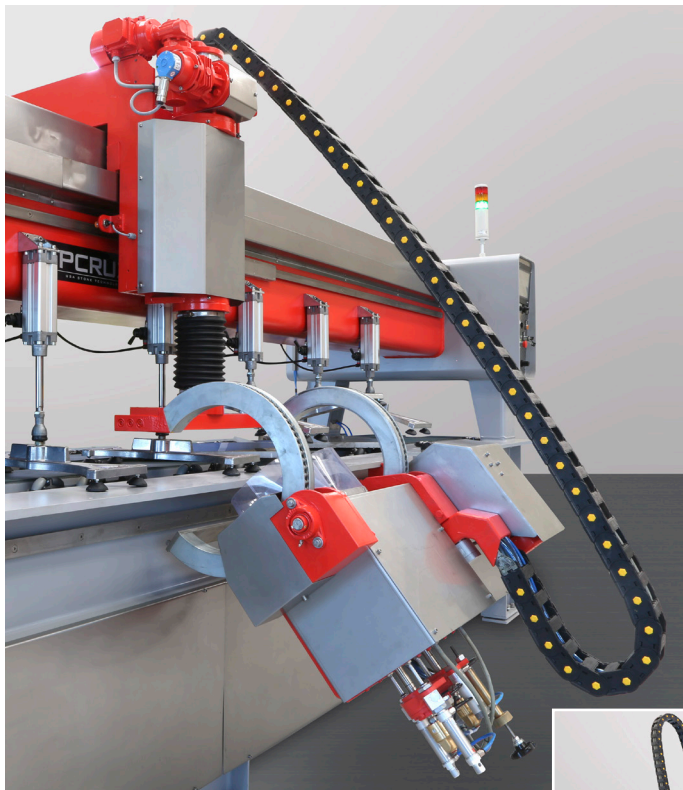
MILLENNIUM Double Head Edge Polisher

MILLENNIUM Double Head edge polisher produces a large variety of edge types with high speed and minimal maintenance.

A modern touch-screen monitor and user-friendly **EasyEdge** software make **MILLENNIUM Double Head** management simple and enjoyable.

MILLENNIUM Double Head has one calibrating head featuring automatic regulation of tool pressure and one polishing head with automatic control of tool wearing. The machine has a working table with a special roller system for 360° rotation of the material, a pneumatic system for reliable material fixation and an intelligent safety system.





TECHNICAL DATA AND DIMENSIONS

General

Number of heads	2
Crown diameter	100–130 mm / 3.9–5.1 in.
Calibrating head power	2.4 kW / 3.2 hp
Polishing head power	2.2 kW / 3 hp
Forward motor power	2.2 kW / 3 hp
Head low / rise power	0.2 kW / 0.25 hp
Head rotation power	0.2 kW / 0.25 hp
Total power installed	7.2 kW / 9.7 hp
Water consumption	10 l per min. / 2.6 Gal per min.
Tool refrigeration	Int. + Ext.
Pneumatic pressure	6 bar
Voltage / Frequency	220 or 480 V / 60 Hz

Working speeds

"X" axis	60 m per min. / 197 ft per min
-----------------	--------------------------------

Useful axes

"X" axis	3,600 mm / 141.7 in.
"Y" axis	1,350 mm / 53.1 in. (ext. possible)
"Z" axis	10 mm / 0.39 in. (min)
	100 mm / 3.93 in. (max)

Dimensions of the machine

Length	6,000 mm / 236.2 in.
Width	2,800 mm / 110.2 in.
Height	2,600 mm / 102.4 in.
Weight	4,000 Kg / 8,820 lb

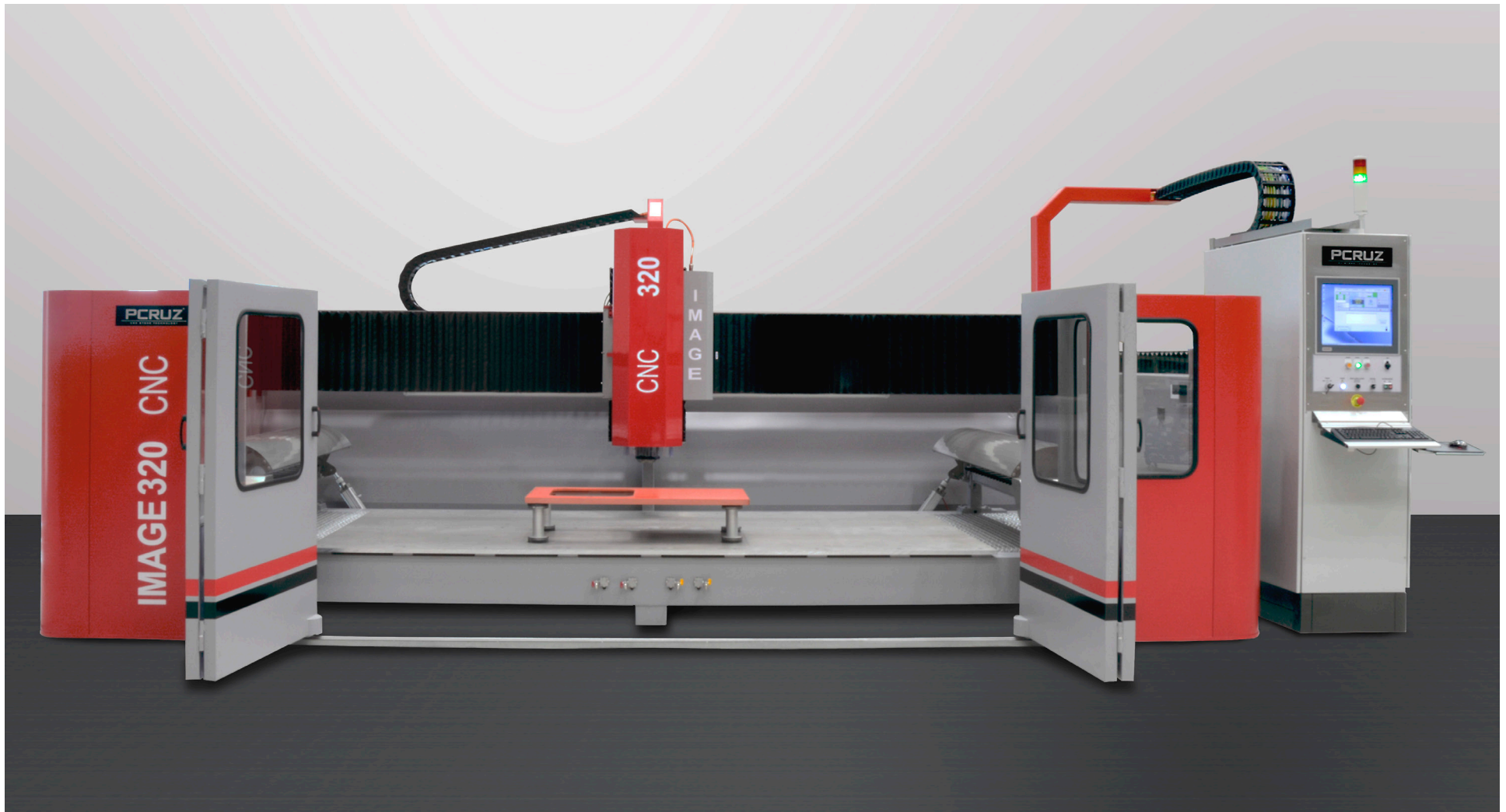
IMAGE320 CNC 3 axes Work Center

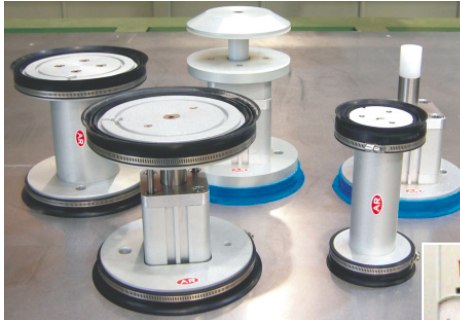
IMAGE320 CNC 3 axes work center performs all kinds of work with great accuracy and speed.

This work center has been designed in order to perform jobs of any level of sophistication with guaranteed high quality.

IMAGE320 CNC 3 axes proficiently executes all tasks requiring milling, grinding, drilling and polishing.

This work center is simple to program and can be handled by an operator with little computer knowledge.





TECHNICAL DATA AND DIMENSIONS

General

Main motor power	11 kW / 15 hp
Speed control	11 kW / 15 hp Speed Variator
Max rotation speed	11,000 RPM
Water consumption	50 l per min. / 13 Gal per min.
Max number of tools	20 + 20 (optional)
Toolholder cone type	ISO40
Tool refrigeration	Int. + Ext.
Air pressure	6 bar
Voltage / Frequency	220 or 480 V / 60 Hz

Working speeds

"X" axis	55 m per min. / 180 ft per min.
"Y" axis	40 m per min. / 131 ft per min.
"Z" axis	8 m per min. / 26 ft per min.

Useful axes

"X" axis	3,200 mm / 125.9 in.
"Y" axis	1,700 mm / 66.9 in.
"Z" axis	350 mm / 13.8 in.

Dimensions of the machine

Length	7,000 mm / 275.6 in.
Width	3,450 mm / 135.8 in.
Height	2,300 mm / 90.6 in.
Weight	7,000 Kg / 15,430 lb

VICTORY Nice Bridge Saw

VICTORY NICE is a semi-automatic bridge saw designed for cutting slabs to size with high accuracy and speed. It works with a wide range of materials including marble, granite and artificial compact materials.

Due to smart design and intelligent processes VICTORY NICE has become the reference semi-automatic bridge saw in the market.

Variability of blade size and a rotating table provide for flexibility in job performance. Advanced user-friendly program and intuitive 10" touch-screen display help to easy and efficiently handle **VICTORY NICE**.



TECHNICAL DATA AND DIMENSIONS

General

Blade diameter	350–600 mm / 13.8–23.6 in.
Main motor power	15 kW / 20 hp
Speed control	15 kW / 20 hp Speed Variator
Hydraulic central power	1.5 kW / 2 hp
Water consumption	20–30 l per min. / 5.3–7.9 Gal per min.
Voltage / Frequency	220 or 480 V / 60 Hz

Useful axes

"X" axis	3,300 mm / 129.9 in.
"Y" axis	2,000 mm / 78.7 in.
"Z" axis	190 mm / 7.48 in.

Dimensions of the machine

Length	6,000 mm / 236.2 in.
Width	5,000 mm / 196.9 in.
Height	3,400 mm / 133.9 in.
Weight	5,550 Kg / 12,240 lb

PCruz **molding copier software** enables to design any 3D shape workable by a blade.
[optional]



VICTORY Head Rotation Bridge Saw

VICTORY Head Rotation bridge saw is supplemented with an automatic system of head rotation to 0° and 90° positions. Coupled with the head's ability to move simultaneously in 3 axes, this enables the machine to cut slabs with high speed and increases productivity by more than 30% as compared to conventional bridge saws.

With automatic head tilting, 45° miter cutting can be performed with a great speed and simplicity.

Due to head rotation and smart programming, some projects such as floorings, can be performed automatically.

Automatic setting of tool rotation speed depending on the type of the material allows reducing tool wearing and power consumption.

All this makes **VICTORY Head Rotation** a very practical solution which offers high productivity and saves space.



VICTORY Head Rotation NCL Bridge Saw



VICTORY Head Rotation NCL bridge saw performs rectangular and L-shape jobs automatically empowered by **PCruz** proprietary **EasyCut** software. **EasyCut** facilitates job definition and provides faster cutting speeds.

In combination with an intuitive 10" touch-screen display **EasyCut** makes operation of **VICTORY Head Rotation NCL** a real pleasure.

VICTORY Head Rotation NCL is the option closest to CNC machinery.



TECHNICAL DATA AND DIMENSIONS

General

Blade diameter	350–400 mm / 13.8–15.7 in.
Main motor power	15 kW / 20 hp
Speed control	15 kW / 20 hp Speed Variator
Hydraulic central power	1.5 kW / 2 hp
Water consumption	20–30 l per min. / 5.3–7.9 Gal per min.
Voltage / Frequency	220 or 480 V / 60 Hz

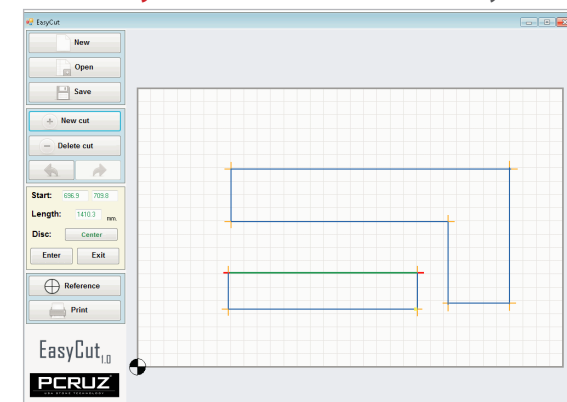
Useful axes

"X" axis	3,300 mm / 129.9 in.
"Y" axis	2,000 mm / 78.7 in.
"Z" axis	90 mm / 3.54 in.

Dimensions of the machine

Length	5,800 mm / 228.3 in.
Width	3,730 mm / 146.8 in.
Height	2,300 mm / 90.5 in.
Weight	5,200 Kg / 11,460 lb

EasyCut: Save time, Win accuracy



VICTORY Nice Multifunctional Work Center

VICTORY NICE Multifunctional work center performs milling, polishing, processing of inside and outside edges for finishing kitchen and bathroom countertops, shower trays, etc. High quality of tools guarantees the best result for all work.

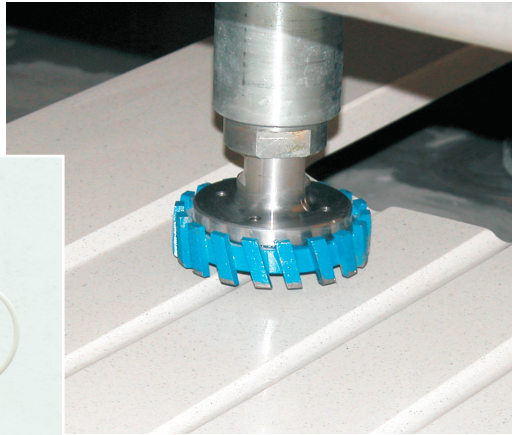
VICTORY NICE Multifunctional offers a beneficial combination of the minimal required space and competitive productivity: with this machine you can produce 3 kitchens per day.

VICTORY NICE Multifunctional head is equipped with a direct motor increasing production speed and accuracy while minimizing tool wearing and operator effort. A digital display allows controlling work execution and achieving high accuracy.

Stainless steel protection and critical motion systems in oil baths enable to keep maintenance costs low.

New edition of VICTORY NICE Multifunctional with advanced features will be available in 2017.





TECHNICAL DATA AND DIMENSIONS

General

Main motor power	4 kW / 5 hp
Max rotation speed	18,000 RPM (with automatic control)
Water consumption	15 l per min. / 3.9 Gal per min.
Tool refrigeration	Ext.
Voltage / Frequency	220 or 480 V / 60 Hz

Useful axes

"X" axis	3,000 mm / 118.1 in.
"Y" axis	1,200 mm / 47.2 in.
"Z" axis	300 mm / 11.8 in. (motorized)

Dimensions of the machine

Length	4,000 mm / 157.5 in.
Width	2,000 mm / 78.7 in.
Height	2,000 mm / 78.7 in.
Weight	3,800 Kg / 8.380 lb

COMPLEMENTARY EQUIPMENT

1. 360° Rotating Crane

Two-jib 360° rotating crane enhances operations in places with inner corners, pillars, etc. and movement of material between indoor and outdoor facilities. It is a smart solution for optimization of warehouse space and works.



TECHNICAL DATA AND DIMENSIONS

Loading capacity	500 Kg / 1,100 lb
Pillar height	customized
First (lower) jib length	5 m / 196.9 in.
Second (upper) jib length	7 m / 275.6 in.

Loading capacities of 750 Kg / 1,650 lb and 1,000 Kg / 2,200 lb are available.



2. Laser Measurement System

Three out of four customers buying **MILLENNIUMCNC 5 axes** bridge saw choose to purchase **360° rotating crane** to further optimize operations.



MILLENNIUM 2D Laser Measurement System allows to achieve the highest accuracy for works performed by **MILLENNIUMCNC 5 axes** bridge saw.

COMPLEMENTARY EQUIPMENT

3. Water Filtration Systems

Lamellar water filtration plants are suitable for recycling water used for processing marble, granite and glass.

CAPACITY OPTIONS for **lamellar plants**:

150 l per min. / 40 Gal per min. 300–400 l per min. / 80–105 Gal per min.



Flocculant water filtration plants with filterpress recycle water used for processing marble and granite.

CAPACITY OPTIONS for **flocculant plants with filterpress**:

250 l per min. / 66 Gal per min. 500 l per min. / 132 Gal per min.



4. Air Cleaning Systems

Dry-system suction cabin is designed for filtering air in dusty working areas with no need for water and minimal noise.

The filtration system can be adjusted to the type of dust.

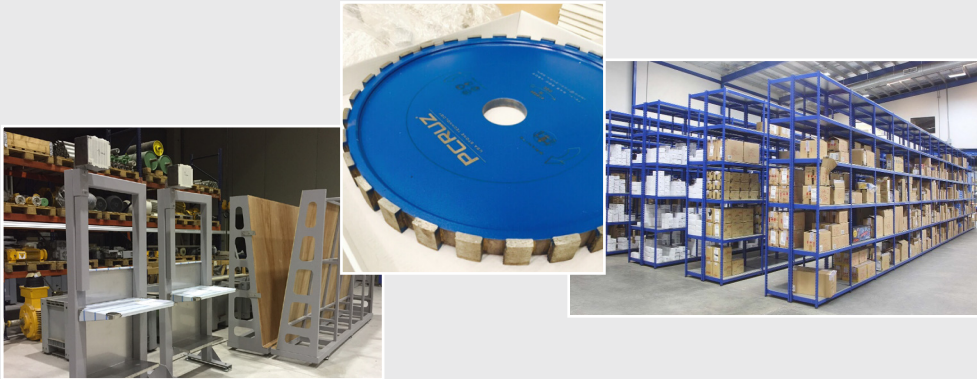


Water-system suction bench is a conventional system for air cleaning using water to wet the dust in the course of the cleaning process.



PCRUZ USA PARTS MANAGEMENT

MINIMIZING DOWNTIME



Large stock of spare parts:

We keep substantial inventory at our warehouse in Fort Lauderdale, FL, to make sure our customers timely get spare and consumable parts they might need.

Working with the most important international machinery suppliers:

Most components of our machines are available in the local market allowing for efficient inventory management.

PCRUZ USA CUSTOMER SERVICE

ALWAYS HERE FOR YOU



WE ARE COMMITTED TO PROVIDE THE LEVEL OF SERVICE AND AFTER-SALE SUPPORT MATCHING THE QUALITY AND MERITS THAT OUR MACHINES POSSESS

Installation:

Our engineers will perform all installation and commissioning works on your site.

Training:

Our professionals will provide trainings for your employees, including certification and advanced seminars.

Software upgrade and customization:

To ensure that your **PCruz** machines always perform at the edge of their capabilities and perfectly meet your needs, we upgrade our software and offer customization options.

On-site support and maintenance service:

Our customer service team is trained to solve any issue you might have with the machine in 24 hours.

Remote support:

This service, available only for CNC machines, allows our technical team to access the machine from our offices and solve electronic and mechanical problems in a very short time, even in minutes.

Preventative maintenance:

We advise keeping machines in the best condition at all times to ensure the quality of work. This also extends our guarantee term.



CONTACT US

1444 Biscayne Blvd, Suite 208-21
Miami, FL 33132

General: **1 (800) 995 3708**
Email: info@pcruzusa.com

Service: **1 (305) 582 4227**
Email: service@pcruzusa.com

Facebook: www.facebook.com/pcruzusa
Web: www.pcruzusa.com



*"To go one step ahead is a continuous challenge
for everyone who loves innovation."*

PEDRO CRUZ