



 **BAVELLONI**  
**巴韦洛尼**  
A GMM Group Company

**WORKING CENTERS**

石材加工中心

STONE



“ Engineered to enhance accessibility, reliability and set-up times.  
CHOOSE A BAVELLONI to NRGize your business!

旨在提高运行效率、质量的可靠性和节约时间成本。  
选择 BAVELLONI 来振兴您的事业！

”





# WORKING CENTERS

## 加工中心

### StoneNRG SERIES

#### StoneNRG 系列

- ▶ StoneNRG 250
- ▶ StoneNRG 330 & 420
- ▶ StoneNRG 330 & 420 T
- ▶ StoneNRG 330 & 420 TS
- ▶ StoneNRG 330 & 420 PJ
- ▶ StoneNRG 330 & 420 TPJ
- ▶ StoneNRG 330 & 420 TSPJ



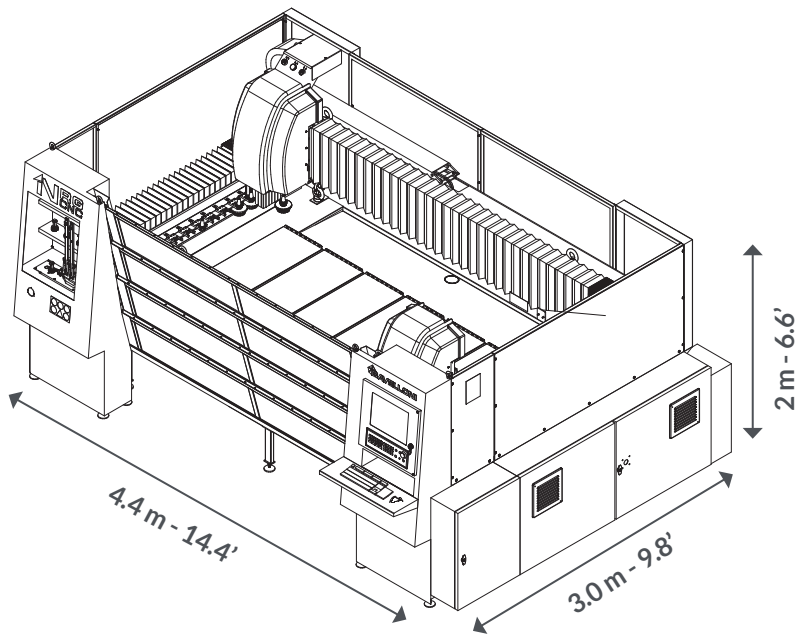
# StoneNRG SERIES/ StoneNRG 系列

## ▶ StoneNRG 250

### ▶ PRACTICAL AND ERGONOMIC DESIGN 实用且符合人体工程学的设计

It offers the best ratio of floor space used (12 sqm, including the electrical panel) and maximum workable sizes.

它提供了最佳的使用面积比例（12平方米，包括电气面板）和最大可使用尺寸。



### ▶ PERFORMANCE 性能

The high speed of the axis movement and the reactivity of the control system by NC offer the best productivity in every working condition.

轴的高速运动和数控控制系统的反应性在各种工作条件下都能提供最佳生产率。





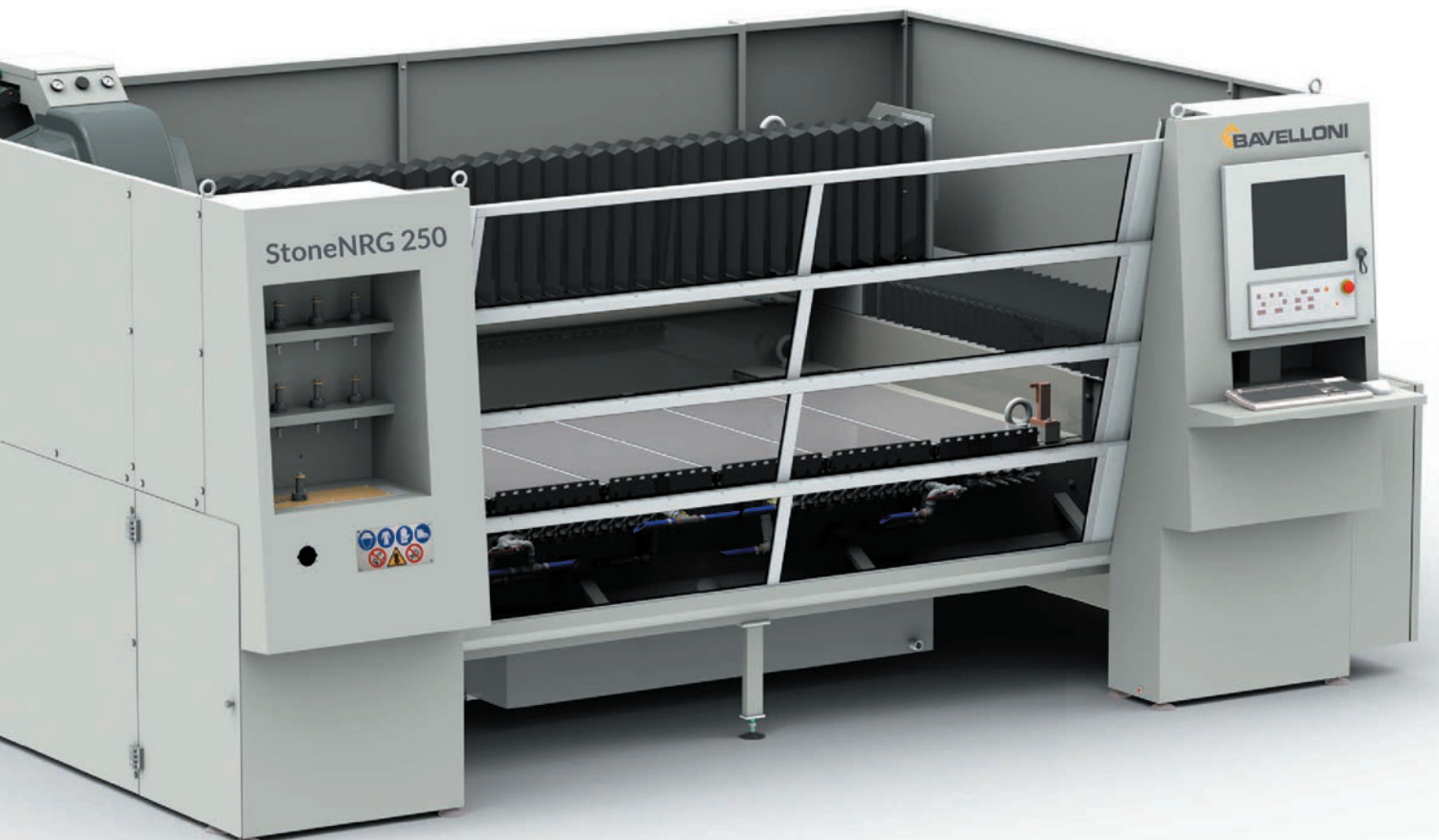
## Compact and fast

袖珍和快速

**Three axis CNC machine for high-speed processing of marble, granite and synthetic stone, ideal for the furniture industry and the funerary art.**  
It features a transparent up & down door for automatic opening and closing.

三轴数控机床，用于高速加工大理石、花岗石和人造石，是家装行业和墓碑艺术的理想选择。

它具有一个透明的上下门，可自动打开和关闭。



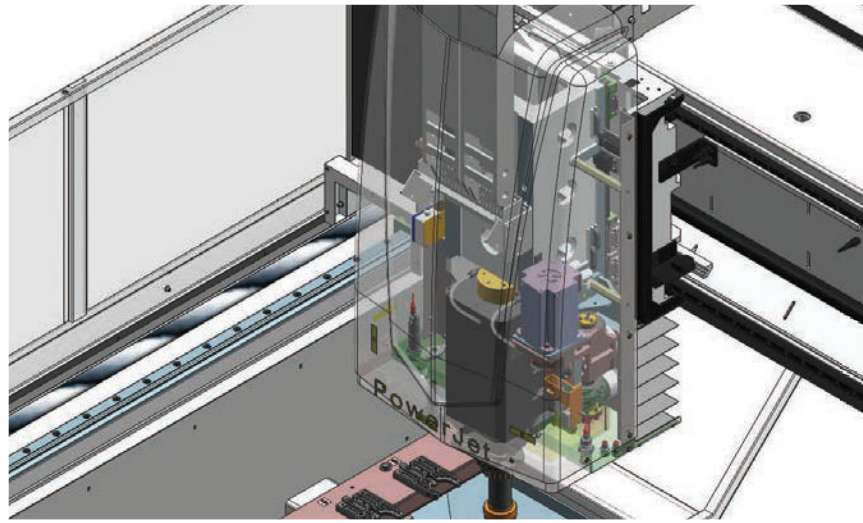
StoneNRG SERIES/ StoneNRG 系列

# ▶ StoneNRG 330 & 420 T/TS/PJ/TPJ/TSPJ

## ▶ RELIABILITY AND REDUCED OPERATING COSTS 可靠和低运营成本

Completely new electro-spindle designed and assembled 100% in-house, extremely strong structure and oversized operating devices for great reliability and long life.

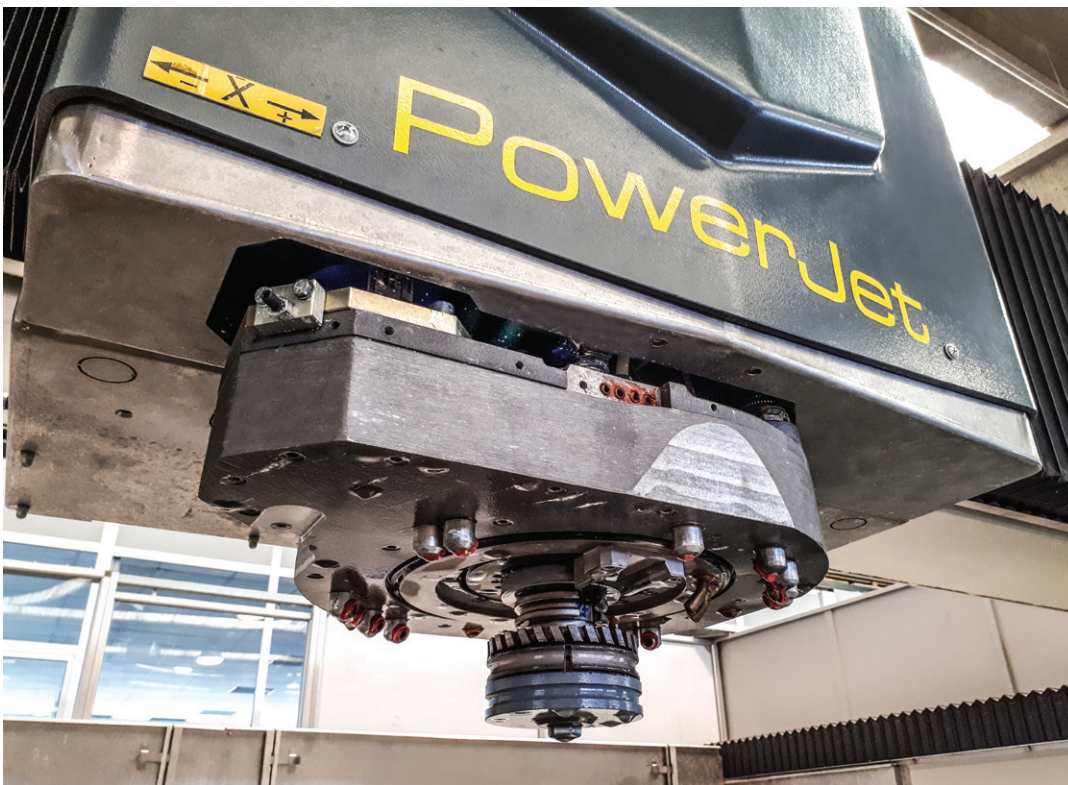
全新的主轴100%由内部设计和组装，结构极其坚固和强大的操作装置，具有极高的可靠性和使用寿命。



## ▶ TOP PERFORMANCE 顶级性能

For many applications, StoneNRG proves to be the highest performer in the field: reduced set-up times, fast movement of the axes and perfect tool cooling.

在许多应用中，StoneNRG被证明是该领域中性能最好的：减少了设置时间、轴的快速移动和完美的刀具冷却。





# CNC out of the box

## CNC 配置选型

**High-end machinery for natural and engineered stone processing that stand out for their exclusive solutions, reliability and a variety of options.**

**Available in different models depending on the workable dimensions (from 3300x1700 mm to max. 4200x2300 mm) and versions (3 and 4-axes, tilting B-axis, longer Z-axis).**

用于天然和人造石加工的高端机械，以独特的解决方案、可靠性和多种选择独树一帜。

根据工作尺寸（从3300x1700mm到最大4200x2300 mm）和设备版本（3轴和4轴、倾斜B轴、更长的Z轴），可提供不同的型号。



亮点

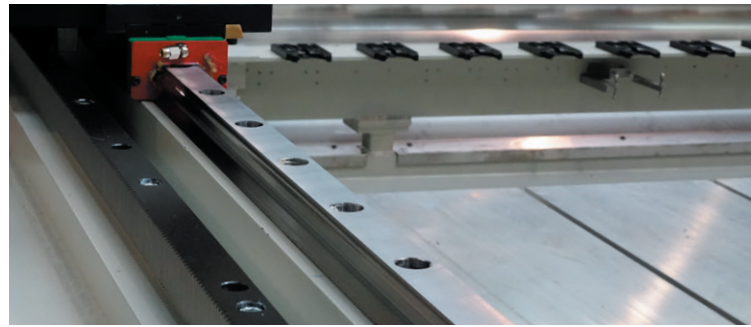
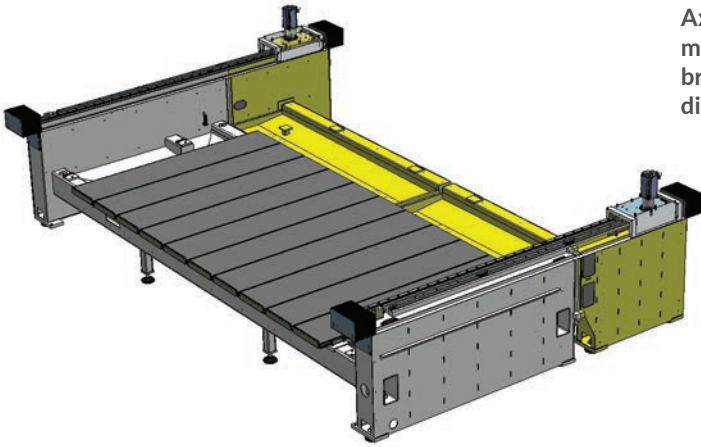
# ▶ HIGHLIGHTS

## MOVEMENTS

### 轴移动

Axes driven by brushless motors, movement of the bridge by gantry axis, fully digital control of the motors.

龙门轴移动由2个无刷马达驱动，马达全数字控制；具有可靠性和精准性。



## TOOL STORE

### 刀具库

Ten position tool store on StoneNRG250. Twenty positions on StoneNRG 420. StoneNRG330 can be equipped either with one or two 10-position tool store or, as an alternative, with an extra table to increase the workable size (3700x1700 mm). Other solutions upon request.

StoneNRG250具有10把刀具库。StoneNRG 420具有20把刀具库。StoneNRG330可以配备一个或两个10把刀具库，或者配备一个额外的工作台以增加工作尺寸(3700x1700mm)。根据要求提供方案。



## PRESETTING

### 刀具测量

Accurate and reliable in the measurement of the radius and the length of the tool with centesimal precision.

以百分位精度测量刀具的半径和长度，准确可靠。

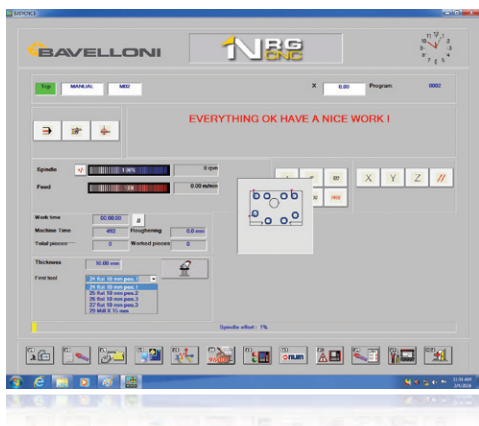
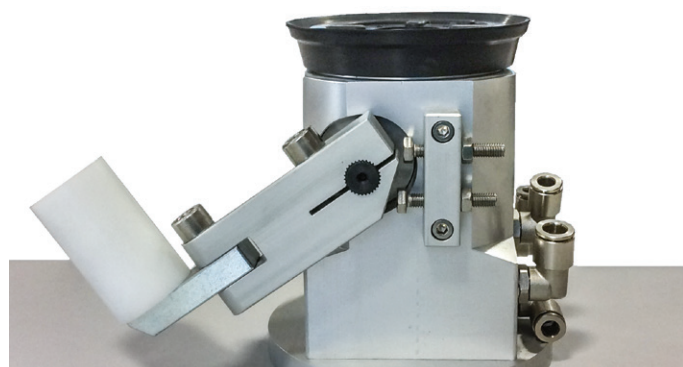


# StoneNRG 250 / 330 / 420

## SUCTION CUPS AND CENTERING DEVICES 吸盘和定心装置

Centering devices integrated in the suction cups: easier set-up, possibility to stack more wheels on the same cone reducing the idle times for tool changes.

吸盘上的集成定心装置：设置更容易，可以在同一个装置上堆叠更多轮子，减少换刀的空闲时间。



## PC AND NC 工业PC和数控系统

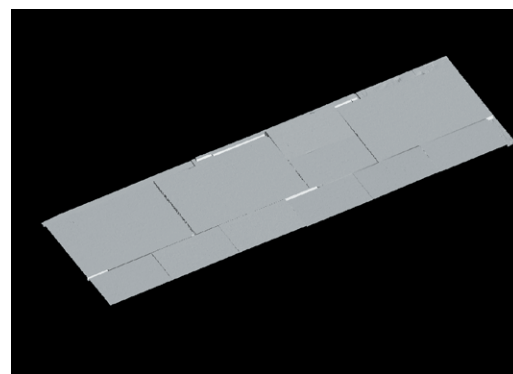
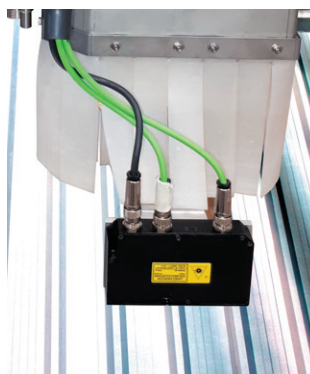
Numerical control with intuitive graphic interface and on-board programming through industrial PC. The most in terms of stability, performance, reliability and speed.

数控系统具有直观的图形界面和通过工业PC机进行板材编程。在稳定性、性能、可靠性和速度方面最具优势。

## LASER FOR FLATNESS READING 激光测厚仪

To automatically adjust the Z-axis stroke according to the material thickness.

根据材料厚度自动调整 Z 轴行程。



## WRITING 雕刻

By means of diamond candle tool and specific software, StoneNRG 250 can execute shaded and raised writing and surface decoration.

StoneNRG 250通过钻石蜡烛工具和专用软件，可以进行阴影和凸起的书写和表面装饰。

亮点

# ▶ HIGHLIGHTS



## AUTOMATIC SUCTION CUP POSITIONING 自动吸盘定位

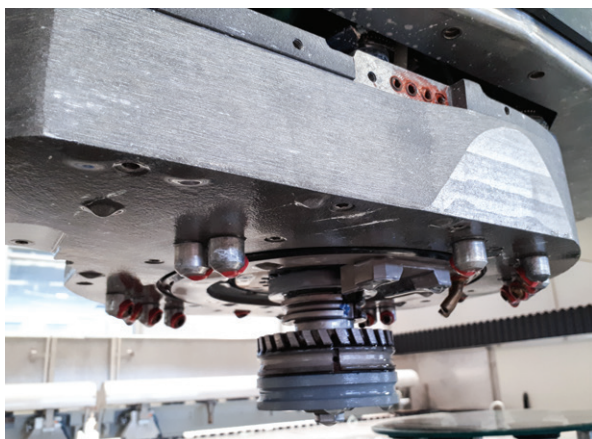
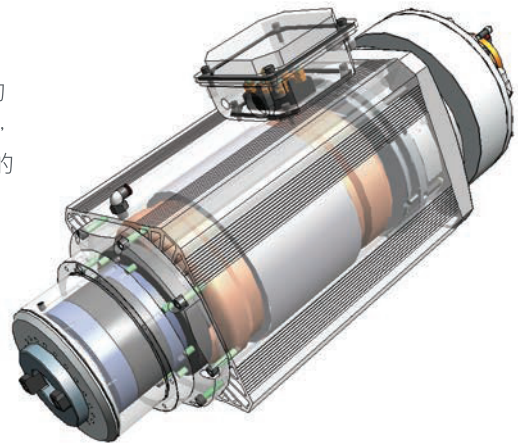
The PAV system (patented) can be fitted on NRG 330 & 420 Series to position suction cups and centering devices in a completely automatic way on the worktable. Set-up time decrease by 30-40% compared to the standard system.

PAV系统(专利)可安装在NRG 330和420系列上,以全自动方式在工作台上定位吸盘和定心装置。与标准系统相比,设置时间减少30-40%。

## BAVELLONI ELECTRO-SPINDLE BAVELLONI 主轴

Completely new electro-spindle on any model of the StoneNRG 330 & 420 Series to grant extremely accurate quality control and fast after-sales service.

在 StoneNRG 330 和 420 系列的任何型号上都配备了全新的主轴,提供极其准确的质量控制和快速的售后服务。



## POWERJET

Fitted on all 4-axis models, the patented PowerJet device, rotating from 0° to 360° in a continuous way, allows to direct and keep the water jets for the tools refrigeration exactly on the contact point with the slab. Longer life of the tools, increased working speed, minimum set-up times.

专利的PowerJet装置适用于所有四轴型号,可连续从0°旋转至360°,可将工具制冷用的水刀精确引导并保持在与板坯的接触点上。具有更长的工具寿命、更高的工作速度、最短的设置时间。

# StoneNRG 250 / 330 / 420

## TILTING B-AXIS

### 倾斜 B 轴

StoneNRG 330 & 420 T / TS / T PJ / TS PJ feature an automatically tilting B-axis ( $\pm 3^\circ$ ) for processing slanted drainers by means of the corresponding optional kit.

StoneNRG 330 和 420 T / TS / T PJ / TS PJ 具有自动倾斜的 B 轴 ( $\pm 3^\circ$ )，用于通过相应的可选套件处理倾斜的排水器。

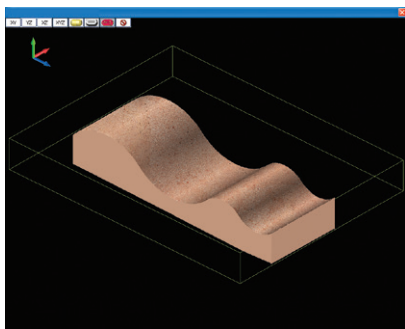
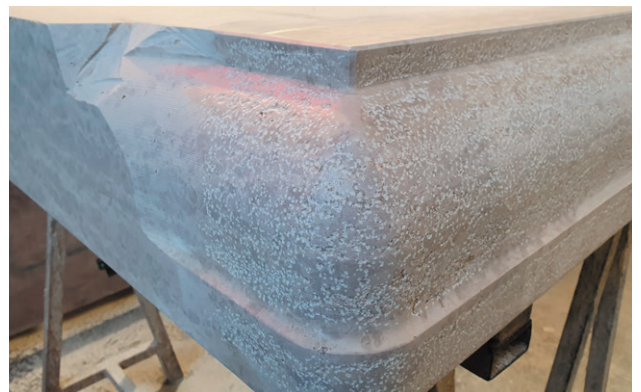


## LONGER Z-AXIS

### 更长的 Z 轴

StoneNRG 330 & 420 TS / TS PJ fit a 600 mm long Z-axis suitable for processing high thicknesses.

StoneNRG 330 和 420 TS / TS PJ 有 600 mm 长的 Z 轴，适用于加工高厚度。



## EASYMOLD 3D SOFTWARE

### EASYMOLD 3D 软件

For three-dimensional drawing and processing: block excavation, radiused surfaces, sinks, shower bases, writing, bas-reliefs.

用于三维绘图和加工：袋铣、圆角表面、水槽、淋浴底座、刻字、浅浮雕。

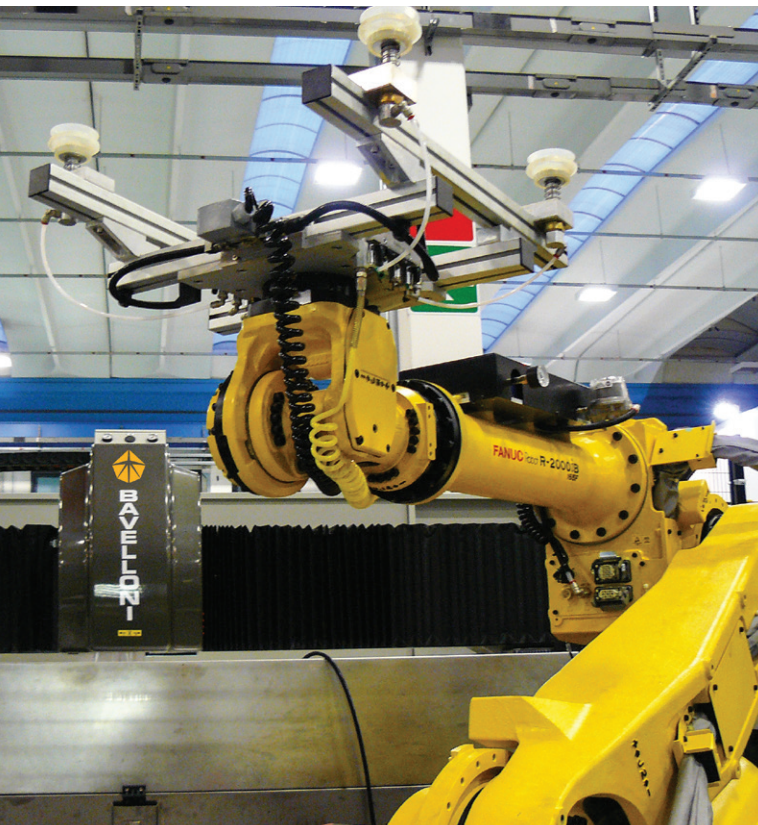
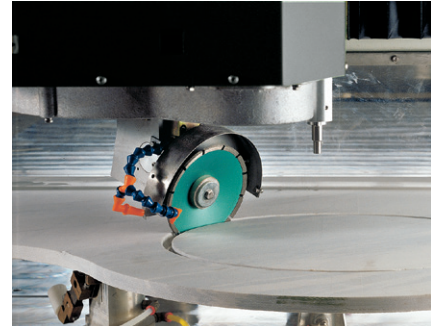
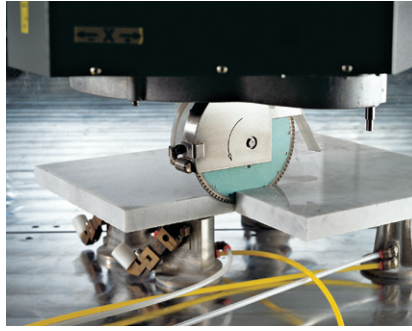
亮点

# ▶ HIGHLIGHTS

## AGGREGATES 多功能加工

The 4-axis models can be customized with a wide range of options to perform also engraving, cutting with straight, convex and 45° discs, polishing with cup wheels.

4 轴型号可以定制多种选项，还可以执行雕刻、直线切割、45°倒角、圆形切割，使用杯形轮抛光。



## ROBOTIC SYSTEMS 机器人系统

Solutions for very high production rates.

非常高生产率的解决方案。

# 技术参数

# TECHNICAL DATA

	StoneNRG 250	StoneNRG 330						StoneNRG 420					
	3	3	3T	3 TS	PJ 4-axes	PJ T	PJ TS	3	3T	3 TS	PJ 4-axes	PJ T	PJ TS
	/	/	/	/	0°-360°	0°-360°	0°-360°	/	/	/	0°-360°	0°-360°	0°-360°
	/	/	+/-3°	+/-3°	/	+/-3°	+/-3°	/	+/-3°	+/-3°	/	+/-3°	+/-3°
	130mm 5 1/8"	300mm 11 13/16"	300mm 11 13/16"	600mm 23 5/8"	300mm 11 13/16"	300mm 11 13/16"	600mm 23 5/8"	300mm 11 13/16"	300mm 11 13/16"	600mm 23 5/8"	300mm 11 13/16"	300mm 11 13/16"	600mm 23 5/8"
	a	3 m 9.8'	3.6 m 11.8'	3.6 m 11.8'	3.6 m 11.8'	3.6 m 11.8'	3.6 m 11.8'	4.7 m 15.4'	4.7 m 15.4'	4.7 m 15.4'	4.7 m 15.4'	4.7 m 15.4'	4.7 m 15.4'
	b	4.4 m 14.4'	6.3 m 20.7'	6.3 m 20.7'	6.3 m 20.7'	6.3 m 20.7'	6.3 m 20.7'	6.3 m 20.7'	6.3 m 20.7'	6.3 m 20.7'	6.3 m 20.7'	6.3 m 20.7'	6.3 m 20.7'
	h	2 m 6.6'	2.6 m 8.5'	2.6 m 8.5'	3.1 m 10.2'	2.6 m 8.5'	2.6 m 8.5'	3.1 m 10.2'	2.6 m 8.5'	2.6 m 8.5'	3.1 m 10.2'	2.6 m 8.5'	2.6 m 8.5'
	3700 kg 8157 lb	5500 kg 12125 lb		5750 kg 12677 lb	5500 kg 12125 lb		5750 kg 12677 lb	7100 kg 15652 lb		7350 kg 16204 lb	7100 kg 15652 lb		7350 kg 16204 lb
	0-65 m/min 0-213 ft/min	0-50 m/min 0-164 ft/min						0-50 m/min 0-164 ft/min					
	2500x1200 mm 98x47"	3300x1700 mm 130x67"						4200x2300 mm 165x90"					
	10 standard	10 standard + 10 opt.						20 standard					
	5.5 kW	11 kW						11 kW					
	20 kW	37 kW						37 kW					
	0-11000 RPM	0-8000 RPM						0-8000 RPM					



NOTE: Images shown in this brochure are indicative and dependable on the level of equipment.  
Models may differ from the pictures shown. Bavelloni reserves the right to alter specifications without prior notice.  
注意：本手册中显示的图像仅供参考，并且因应设备的型号级别，实际设备可能与所示图片有所不同。  
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**Bavelloni machines.  
Reliable equipment, long lasting and  
asking for little.  
Tens of thousands of machines working  
all over the world.  
And people you can rely on.**

**This is what we have always done.**

**Bavelloni机器**

可靠的设备，经久耐用，价格实惠。  
数以万计的机器在世界各地工作。  
以及是您可以信赖的团队。

这是我们一直在做的事情。

STRAIGHT-LINE EDGING • BEVELLING • DOUBLE EDGING • CNC • CUTTING

直线磨边 • 斜角磨边 • 双面磨边 • 数控 • 切割



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