

Stone Processing Machinery

SK5 5-axis CNC



ONE...

...TWO...

...THREE OPEN SIDES!

FIVE AXIS CANTILEVERED MONOBLOCK CNC STONE SAW

Compact size, full size work pieces • Unique 3-sides open gantry for easy entry • Hydraulic table tilt for easy loading
Fully automated interpolated 5-axis stone CNC • Fully automated or manual sawing capability



WELCOME TO THE OF CUTTING EDGE

With the user in focus!

It's easy to see that this saw has been developed with maximum advantage of the operator in mind. Besides SX5's patented flexible compact design, the software and electronics allow the customer to save valuable time on the whole sawing process.



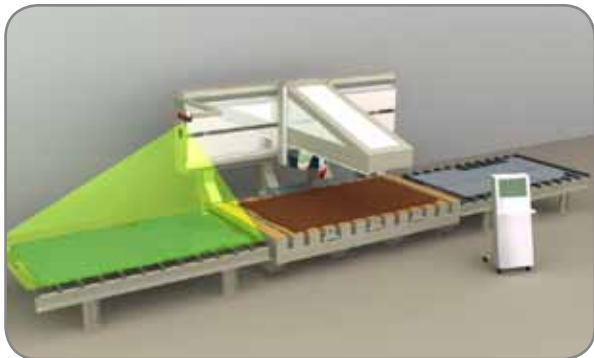
CNC SAW SX5 5-axis CNC SAW

**THE NEXT LEVEL
IN LARGE CNC SAWS!**



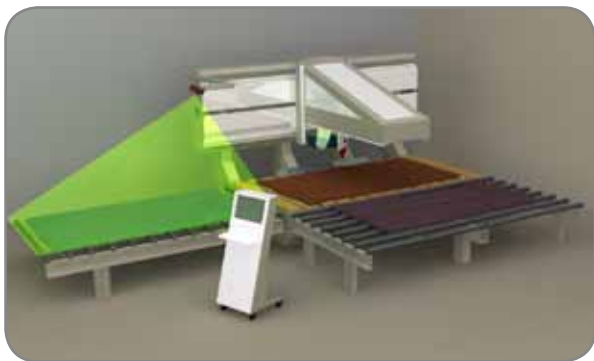
SW SK5 5-axis CNC SAW

HOW DO YOU WANT TO WORK? SX5 LETS YOU DECIDE



High Demand – Efficient Production

The SX5 helps you form an efficient production line. Photograph and program one slab, cut another and layout the third for finishing. The three open sides and optional load/unload tables let you decide where you want to put the machine and where you want to load and unload it from.



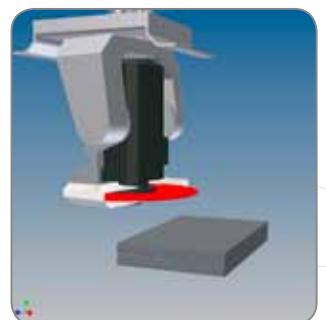
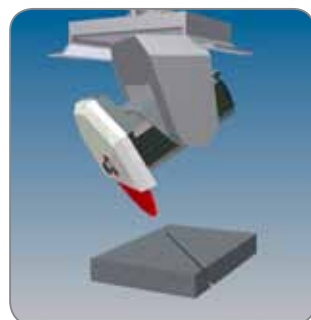
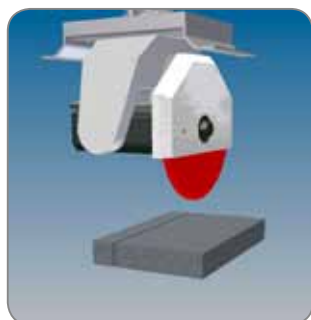
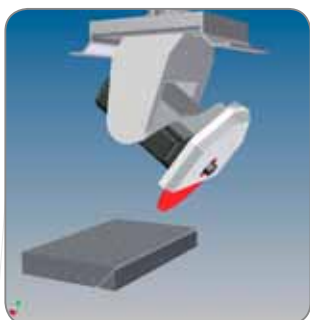
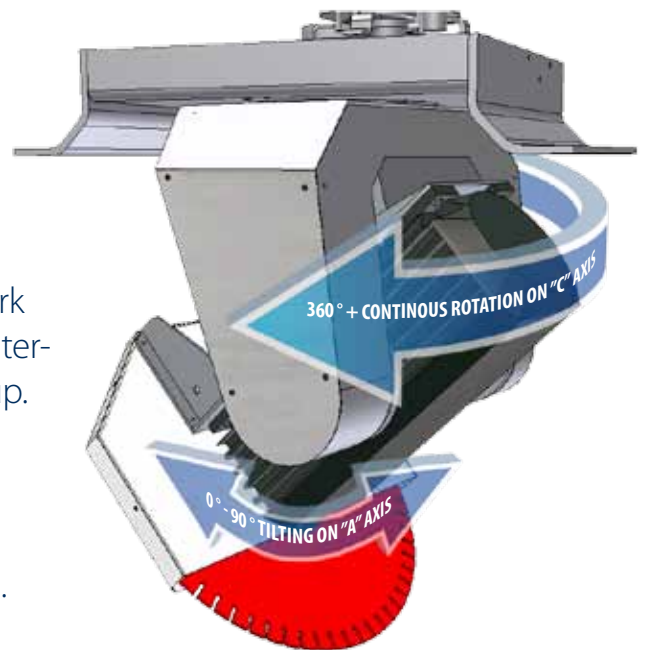
A range of solutions

Three completely open sides mean you can find the best solution for your specific needs and requirements. Future layout changes are also easy with the flexible SX5 saw.

PRECISION MACHINING WITH 5 INTERPOLATED AXIS

5 interpolated axis means all the machines axis can work together simultaneously. Precision machining with 5 interpolated axis allows machining of all 5 sides in one set up.

Not only does an interpolated 5-axis saw save money, 5-axis machining opens the door for more complex contour work, which may require simultaneous movement of all axis. The SX5 offers high precision on all axis.



RELIABILITY, AVAILABILITY, MAINTAINABILITY AND SIMPLICITY

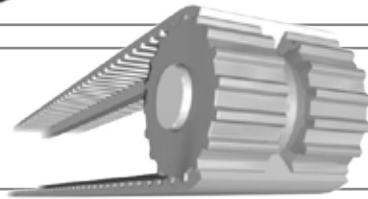
We bring skill, quality & experience to all our solutions

Today's solutions within CNC-technology demand high precision. You can find this with competent and reliable technology, both for custom designed concepts as well as standard applications. SX5 is equipped with, among other things, the following systems and components:

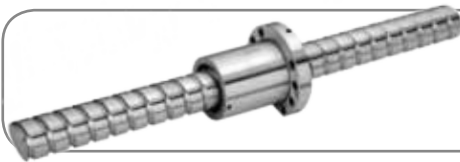
- ▶ Stainless steel panels
- ▶ Top quality paint treatment, developed for abrasive and corrosive environments
- ▶ Rigid frame made from high strength Swedish steel



On the SX5 we use state-of-the-art heavy load runner blocks with a self lubricating module, double seals and scrapers. The linear guide rails are surface treated to stand the corrosive environment.



Maintenance free, high tech, steel cord belts are produced with high precision and tight tolerances, which guarantees an even load distribution during operation.



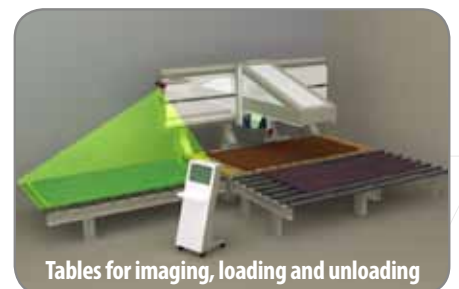
The precision ball screw is also produced with high precision and tight tolerances. This contributes to a smooth, even and precise load distribution during operation



All rotating axis are equipped with Robot gear boxes. The benefits are, among other things:

- High precision
- High shockload capability
- High rigidity
- Reduced vibration

OPTIONAL SOLUTIONS ON REQUEST



BRILLIANT INNOVATION FOR SIMPLE OPERATION

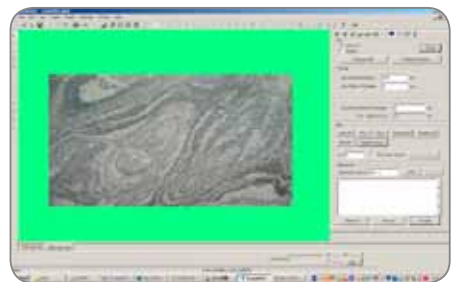
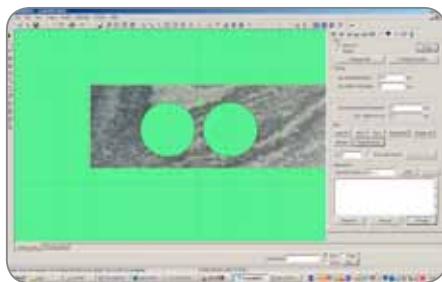
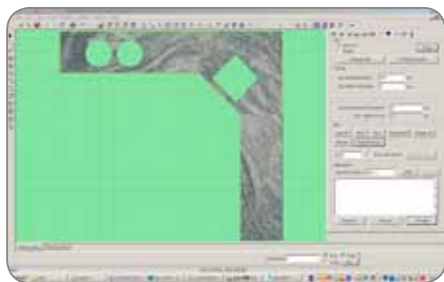
ScandSOFT™, together with the SX5, means you can cut almost any shape automatically, in one program. Or you can switch the saw to manual mode for simple, straight line cuts.

With an intelligent speed regulator, the SX5 can be left to work, whatever type of stone you're cutting. No operator is required to monitor the machine during single or multiple cuts, the full shape you have programmed will be cut without the need for adjustments.

Scandinvents software ScandSOFT™ is:

- ▶ Userfriendly
- ▶ Developed together with experienced stoneworkers
- ▶ Demands no prior experience of CNC-knowledge

ScandSOFT™ 



For advanced kitchen design, the SX5 with ScandSOFT™ allows the actual slabs being used to be photographed and imported into the CAD program. **Why is this useful?**

On the 22" LCD display, the proposed cut-outs can be virtually arranged in the ScandSOFT™ program by the operator, on top of a photo of the actual slab you'll be cutting. It's just like manually laying out a template on the slab of a manual saw operation, only with the SX5 you do it on a computer screen.

You are able to print the image for yours and the customer's final approval. Now you can check inherent patterns, fissures, anomalies or defects in the stone before you cut it.

This nesting program optimises your time and reduces waste. It also allows vein and grain match.

SAFETY FIRST

An adaptable saw demands an adaptable safety barrier. The safety barrier should not only be adaptable to the premises, but also to your preferences for loading and unloading material to and from the saw. SX5's extensively developed module system and laser barriers make maximum flexibility possible, at the same time meeting the modern industries high standards for safety in combination with controlled access for qualified personell.



OPERATIONS

Straight and angular



Straight Profiling



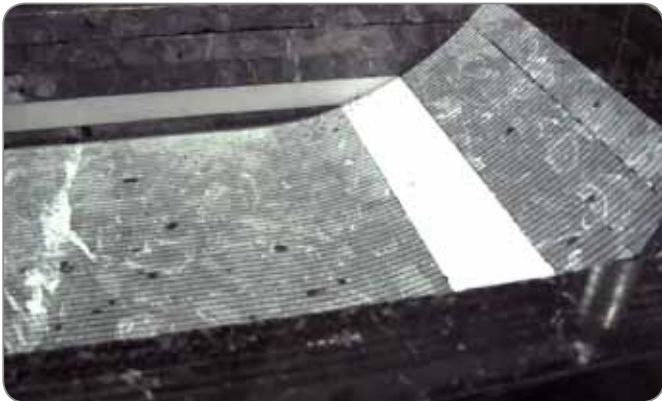
Rotated carving



Curved



Machining of solid blocks



Horizontal cutting



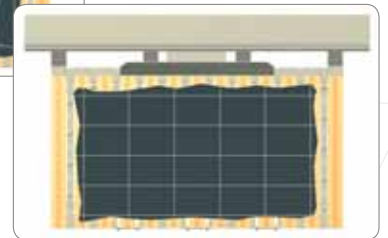
3D Profiling



Spiral



Repetitive



SCANDINVENT

Everything about the ScandInvent machines is designed to be an extension of the way masons already work so that operation of them is intuitive and straight forward.

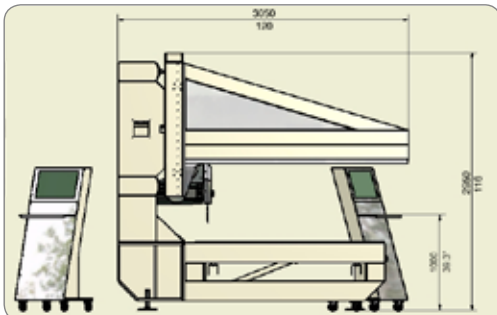
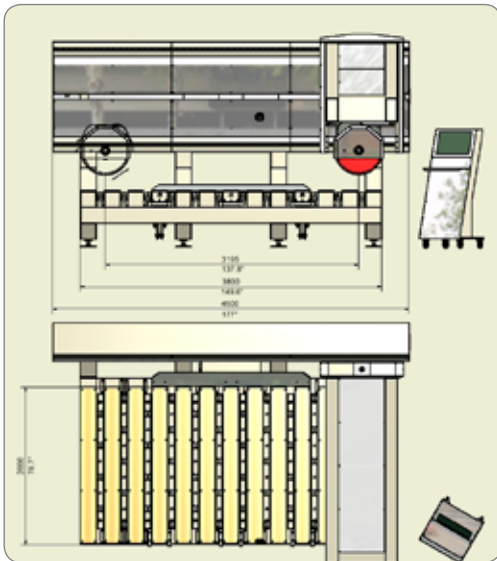
"We try to think of the problems masonry companies face and solve them"

With the SX5, ScandInvent have combined reliability and simplicity in an high quality and affordable, state-of-the-art piece of stone workshop machinery.

"Our philosophy is that high-quality, reliable machinery combined with high-quality after sales service ensures customer loyalty"



SX5 TECHNICAL DATA



Dimension of the work table	mm	3500 x 1900
	inch	137.8 x 74.8
Max workable thickness	mm	250
	inch	9.8
Cutting stroke X-axis (along the back)	mm	3400
	inch	133.8
Cutting stroke Y-axis (in and out)	mm	1830
	inch	72
Cutting stroke Z-axis (up and down)	mm	450
	inch	17.7
Rotation C-axis (around Z-axis)		360° continuous
Tilting A-axis (tilting for mitre cut)		0-90°
Diameter of the blades that can be applied	mm	300-700
	inch	11.8-27.5
Motor power	kW	11/15
	Hp	15/21
Max rotation on the spindle unit	rpm	2900
Dimensions (LxWx H)	mm	4500 x 3050 x 2950
	inch	177 x 120 x 116
Weight	kg	4500
	lbs	9920

Scandinvent AB reserves the right to develop and improve any products specifications and designs, including whilst contracts are being executed. In this regard, all figures supplied should be viewed as indicative and approximate.

ScandInvent

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