



# RoboSharp



## SHARPEN ANY SAW WITH THE MOST VERSATILE MACHINE IN THE WORLD!

The RoboSharp-AX10L2 is a highly advanced, multi-function circular saw sharpening center. With top & face, dual side and plunge grinding capabilities, the RoboSharp is the most functional and flexible machine in the industry. The dual-bay robotic loader and patented automated tool changer system allow this sharpening center to run completely lights out.

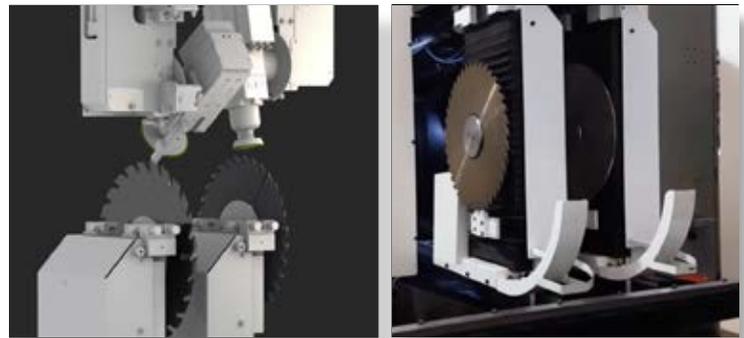
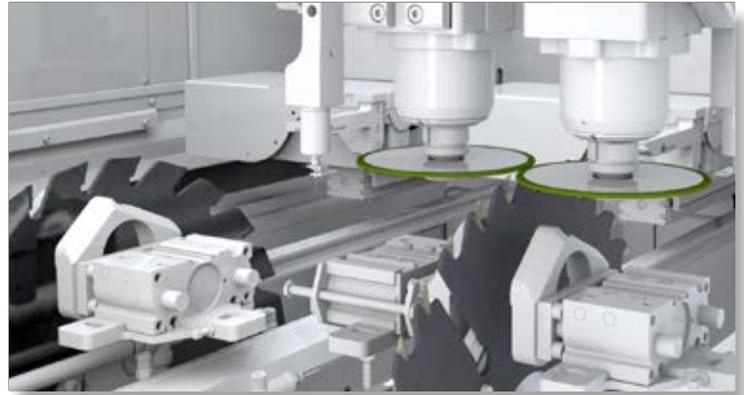
## Highlights

- ✓ **Top, face & side grinding in one grind center** → reduces floor space requirements and maximizes sharpening efficiency
- ✓ **Dual blade capacity** → two independent 5-axis grinding heads allow two blades to be top/face ground simultaneously, addressing a common bottleneck in service/repair environments
- ✓ **Robotic loading** → enables complete automation
- ✓ **Automated tool changing** → for full lights-out manufacturing
- ✓ **19" touch screen and user friendly software** → for intuitive operation

## Why is dual head an advantage?

**The RoboSharp dual head grinder consists of 2 top and face grinders or 1 dual side grinder within the machine.**

- + A saw sharpening operation's average work load is heavily skewed to top & face grinding. The RoboSharp's independent spindle operation and two saw blade capacity results in double the grinding production in topping and facing mode.
- + The machine re-configures itself to dual side grinding mode when working on a retipped tooth or saw.
- + Your side grinder is never sitting idle!



**SAW SHOP  
IN A BOX**

## Key Features

### Front loading carts

- + This enables the machine to be positioned against a wall. Competitive grinding centers have rear loading carts, requiring space behind the machine which results in a larger and inefficient footprint.
- + Allows for efficient operation by enabling the operator to load and view the carts from the operator station.



### Tool Changer

- + The tool changer enables saws of different materials and tips to be processed in a single cart. Carbide, stellite and cermet saws can all be stacked on a single cart. The tool changer will automatically select the correct grinding wheel for the specified material.

### True lights out operation

- + The RoboSharp can detect broken or worn grinding wheels and replace them from the tool bay, resulting in true lights out operation.



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## Key Features

### Saw capacity

- + The Robosharp has a grinding capacity of 8" (200mm) - 34" (865mm) diameter.



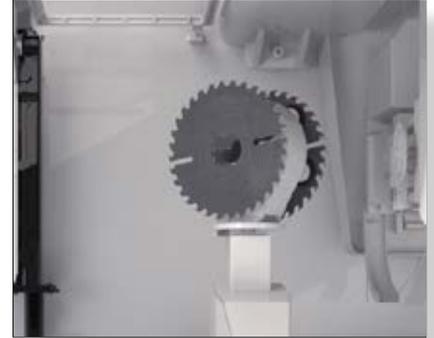
### Renishaw probe

- + Maps teeth with extreme precision.



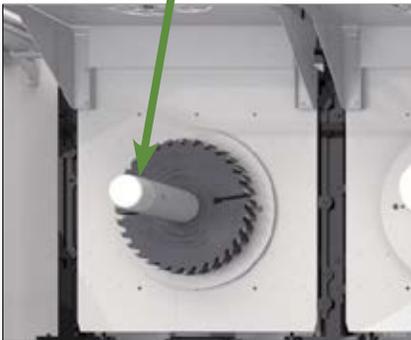
### Dual gripper

- + The RoboSharp robotic loader has a dual gripper, which enables two saw blades to be handled at once.



### High capacity tool cart

- + Each cart holds more than twice the number of saws as the competition.
- + Competitors tool cart capacity: 12.7" (322mm).
- + Our tool car capacity: 28" (711mm).



### Remote monitoring

- + Enables off-site updates and alerts sent to email and mobile phone.



### User friendly control panel

- + 19" touch screen.
- + Simple design and seamless navigation.



**X2 HIGHER  
SAW LOAD  
CAPACITY  
THAN OUR  
COMPETITORS!**

### Additional features

- + Two 7.5Hp, 24000 RPM spindles
- + Large subplate for clamp mount
- + Auto gullet detect
- + Air cooled spindle



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# Options

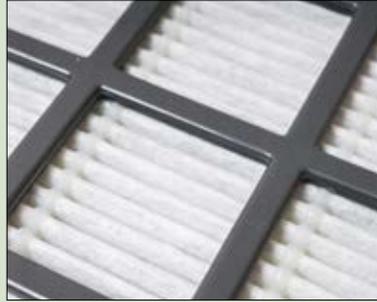
## Fire suppression system

- + Integrated fire suppression for oil grinding.



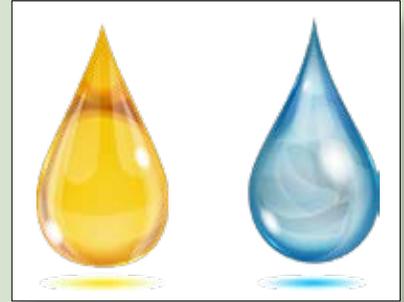
## Mist extraction

- + Stand-alone mist extraction/ filtration for improved air quality and safe grinding environment.



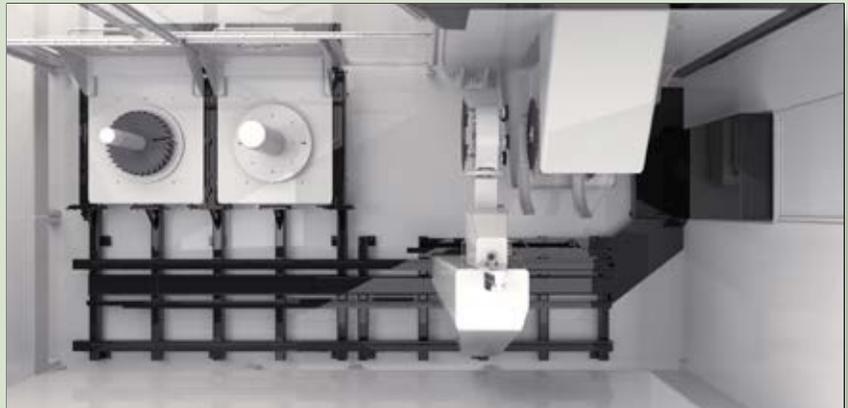
## Water or oil based coolant

- + Flexibility to suit any shop environment.



## Auto saw cleaning

- + Reduces oil contamination throughout your facility.



## Specifications

Circle saw size	8" to 34"	200mm to 865mm
Plate size	.04" to .750" Plates	1mm to 19mm Plates
Saw kerf	.04" to .850"	1mm to 21mm
Radial angles	0° to 5°	0° to 5°
Hook angles	(-) 10° to (+) 35°	(-) 10° to (+) 35°
Tangential angle	0° to 5°	0° to 5°
Tooth spacing	.5" to 3"	13mm to 76mm
Shipping weight	8000lb	3600kg
Dimensions	L240" x H122" x W180"	L6100mm x H3100mm W4500mm
Voltage	480VAC, 60Hz 3 ph	400VAC, 50Hz, 3ph
Spindle motor	7.5Hp	1.5kW

Custom specifications and engineering available on request

Williams and White reserves the right to alter or amend specifications without prior notice



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