

# LYNX BRIDGE SAW



## DESIGN FEATURES

- HYDRAULIC TILT TABLE FOR EASE OF LOADING AND UNLOADING
- ACCOMMODATES BLADES UP TO 550MM (400MM RECOMMENDED)
- LASER CUTTING GUIDE
- PENDANT CONTROL STATION
- AUTOMATIC REPEAT CUTS
- TILTING HEAD FOR 45 DEGREES MITRE CUTS
- FULL 360 DEGREES ROTATING TABLE

**Farnese Australia** was founded in 2000 by the Farnese family, whose members have decades of combined professional experience and expertise in both the global stone industry and the local stone machinery manufacturing industry. We are the only designer and manufacturer of stone fabrication machinery in Australia and our machines have found homes throughout Australia, New Zealand, the United States, the United Kingdom, and Vietnam.

With over 20 years of experience in the stone industry, the team at Farnese have the experience it takes to design, install and maintain the equipment needed in your industry.



The **LYNX** is our entry level bridge saw, suitable as a primary or secondary saw in any factory. Designed and built for those who require accuracy and versatility, at a price that won't burn a hole in the pocket, the Lynx's simple construction consists of one main beam (the bridge), travelling on two side rails. Precise engineering ensures accurate cuts every time.

The movement of the cutting head on the bridge ( X axis - Cross Travel ) is motorised and equipped with an electronic speed controller. This enables the machine to cut at various speeds, depending on the thickness and hardness of the material being processed.

The up and down movement of the cutting head ( Z axis ) is also motorised, allowing quick and easy adjustment of the blade's level. Limit switches on both the X and Z axis enable simple stroke length setting.

The cutting head also allows for pneumatic tilting of the blade to 45° in order to facilitate the cutting of mitres.

The Lynx is also fitted with a programmable, electronic measuring system that measures the front to back movement ( Y axis - Long Travel ) of the bridge over the side rails. As the operator moves the bridge in and out, the display shows the distance travelled and it can easily be cleared to zero at the touch of a button.

## CUTTING MODES

From the main menu, the operator has a choice of manual or automatic mode.

The standard automatic mode allows the operator to program and execute multiple cuts of predetermined widths, up to a maximum of 9 different cuts. Each of these individual cuts can be repeated up to 99 times.

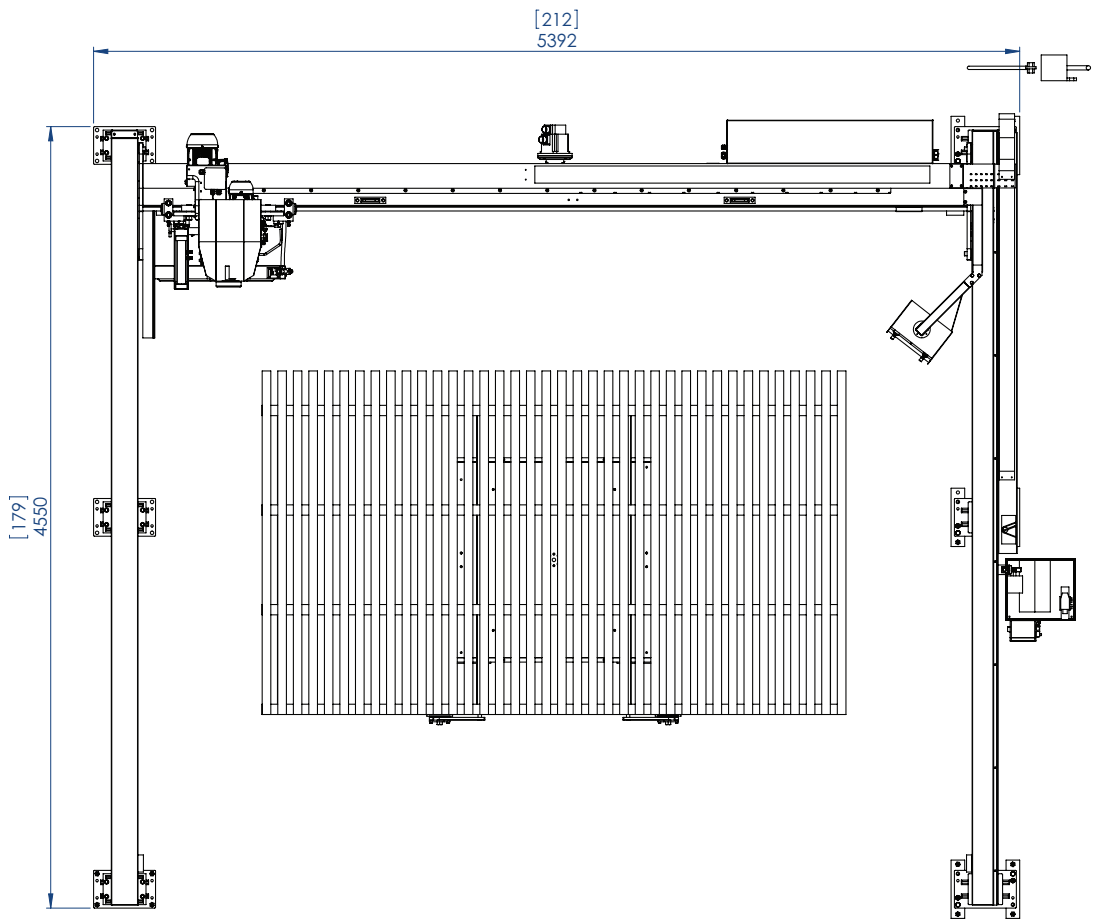
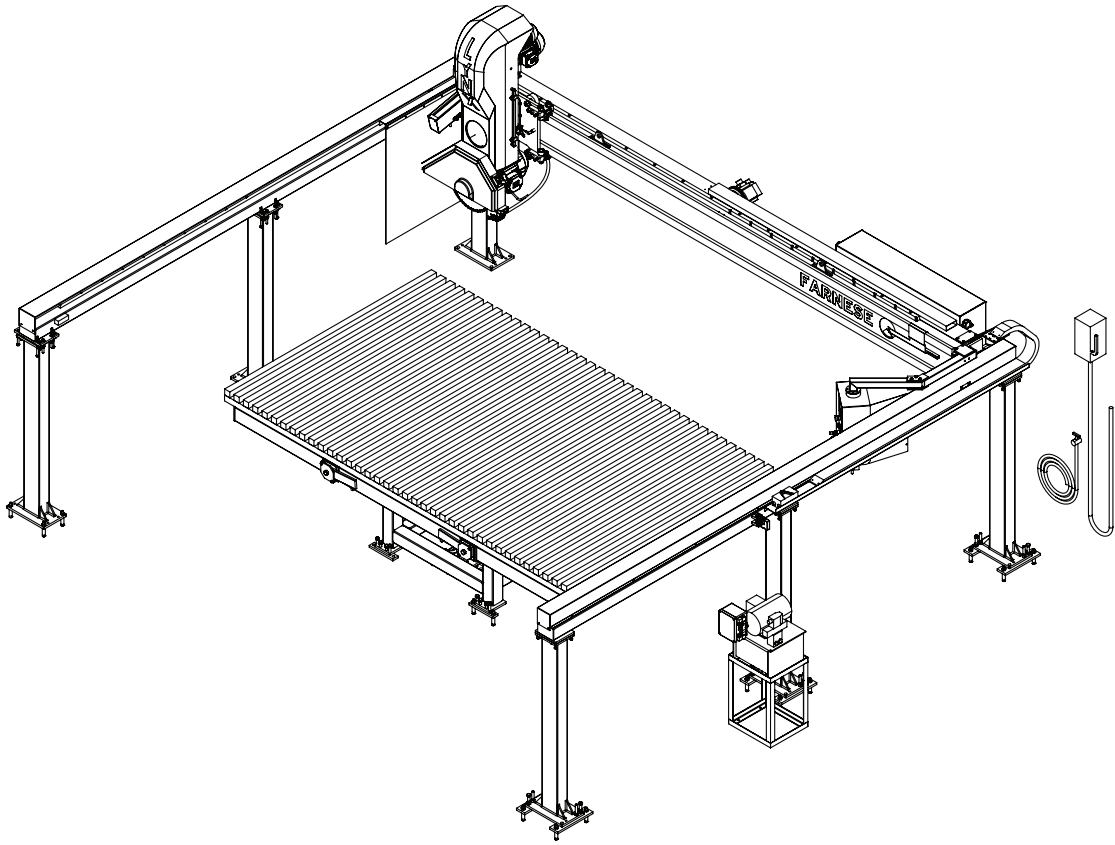
Once the start button is pressed, the machine will execute the cuts at the desired speed. The software will automatically add the thickness of the blade at each programmed movement.

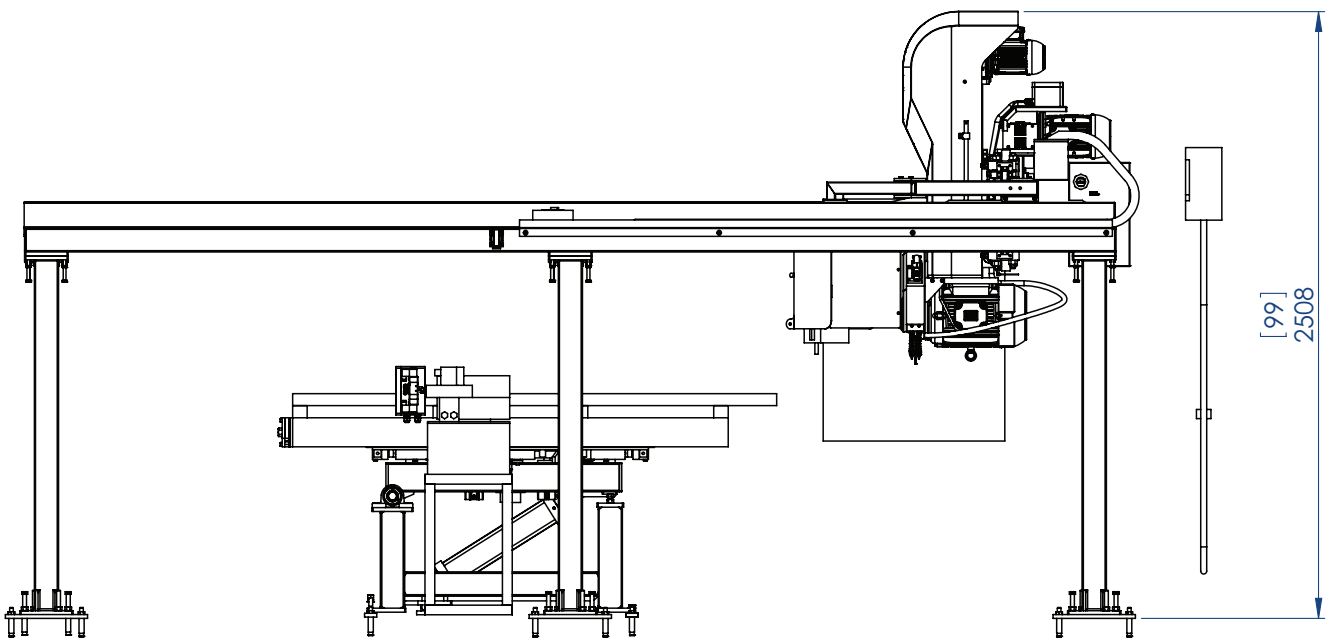
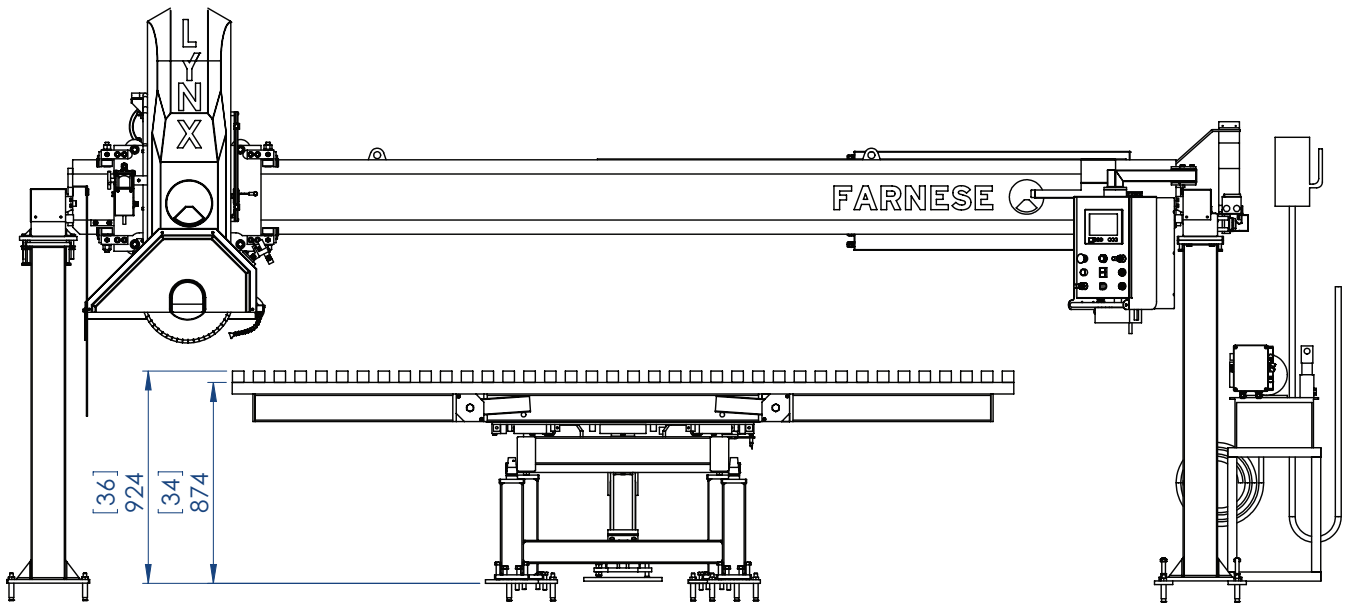
In manual mode, the operator can see the position of the blade at any time with the aid of a laser cutting guide and move the bridge in and out at will. The operator can also enter a single measurement, press IN or OUT, and the cutting head will move and stop at the desired position. A press of the START button will begin the cutting process at the programmed speed. Once complete, the cutting head will move up and return to its leftmost limit.

The Lynx can accommodate blades up to a maximum diameter of 550mm, however a 400mm blade is recommended for general use.

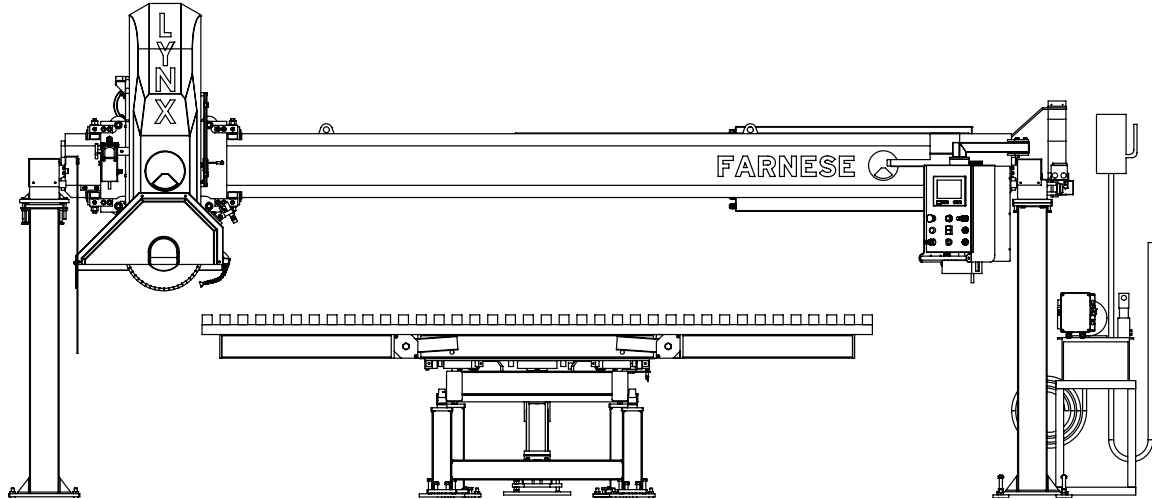
A full 360° rotating table enables precision cutting of material. Fixed stopping points are in 45° increments during rotation, however the table can be rotated to any chosen point. For example, should you want to cut at 28° across the workpiece, simply rotate the table to that angle using the laser cutting guide as a visual aid. Once the table is in place, two pneumatic stops can be raised beneath the table to prevent any movement during the cutting process.

The table also has the capability to tilt from 0° to 80° to facilitate the easy loading and unloading of slabs. The tilting function is powered by a set of heavy duty hydraulic pistons.





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## TECHNICAL SPECIFICATIONS

DIMENSIONS OF INSTALLED MACHINE	METRIC	IMPERIAL
LENGTH	5400 mm	212.6 in
WIDTH	4700 mm	185.0 in
HEIGHT	2500 mm	98.4 in
WEIGHT	2700 kg	5940 lb

TABLE	METRIC	IMPERIAL
LENGTH	3400 mm	133.9 in
WIDTH	2000 mm	78.7 in
HEIGHT	920 mm	36.2 in
ROTATION	YES	YES
TILT	YES	YES

FEATURES & FEEDS	METRIC	IMPERIAL
X STROKE (CROSS TRAVEL STROKE)	3700 mm	145.7 in
Y STROKE (LONG TRAVEL STROKE)	3700 mm	145.7 in
Z STROKE (HEAD UP AND DOWN)	280 mm	11 in
WIRELESSREMOTE	YES	YES
BLADE DIAMETER (MAX)	550 mm	22 in
BLADE SHAFT DIAMETER	60 mm	2.36 in
BLADE TILT	0 - 45°	0 - 45°
MANUAL LUBRICATION	YES	YES
BACK CLAMPS	YES	YES
MAIN SPINDLE POWER	11 kW	20 hp
MAIN SPINDLE SPEED	1440 rpm	1720 rpm
POWER REQUIRED	400v 3ph 50Hz 32A+ Neutral	208v 3ph 60Hz 50A

CONNECTIONS REQUIRED (SUPPLIED BY CUSTOMER)  
POWER, WATER, COMPRESSED AIR

TOOLING | CONSULT YOUR LOCAL FARNESE DEALER FOR ANY TOOLING REQUIRED

Owing to the constant updating of our designs, descriptions and technical data shown in our drawings and folders are not binding. Possible alterations deemed by the makers as convenient will be effected at any time without previous notice.

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## **We Know That Support Is Important To You**

Buying a new machine is a big commitment for anyone, and continued support throughout the life of that machine is vital.

Being an Australian company, Farnese carry a vast array of parts here in Australia to ensure that your machine always has the spares it needs. Enjoy peace of mind knowing that you'll be fully supported by Farnese and we'll always have you covered.

Farnese customers don't need to experience unnecessary machinery downtime waiting for remote assistance from other countries, as all the support and remote assistance is provided locally in Australia from our own qualified Technicians in Australian time.

With more Service Technicians in Australia than any of our competitors, our mission here at Farnese is to give you the best support in the industry. As we grow, we continue to recruit more and more qualified technicians, to further strengthen our position in the Stone Industry.

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DESIGNED FOR FUNCTION, BUILT TO LAST.