

# MITRE SAW GEN 2



## DESIGN FEATURES

VERY SIMPLE TO USE

VARIABLE FEED CONTROLLER

VARIABLE SPINDLE SPEED

PNEUMATIC ROLLERS TO ASSIST WITH LOADING AND UNLOADING

EIGHT PNEUMATICALLY CONTROLLED CLAMPING FEET

OUTRIGGER TABLE TO SUPPORT LARGER PIECES

AUTOMATIC LUBRICATION SYSTEM

SPECIAL NYLON CLAMPS FOR SECURING SMALL PIECES

Founded in 2000 by the Farnese family, **Farnese Australia** are designers and manufacturers of stone cutting and polishing machinery in Australia. With an international reputation and decades of combined professional experience, and expertise, in both the stone industry and the local stone machinery manufacturing industry, Farnese are the first choice for stone fabricators. They continue to dominate this field in Australia and overseas with precision and innovation.

The team at **Farnese Australia** have the experience it takes to design, install and maintain the equipment needed in your industry.



### **The birth of the MITRE SAW**

The Mitre Saw is the machine upon which Farnese Australia built its reputation as a manufacturer of reliable, affordable machinery. Beginning with the MitreForma and gradually being improved over the years into the current MITRE SAW GEN 2, this machine has always been a consistent market leader amongst the Farnese range.

### **Accuracy is the key when cutting mitres**

Consumers throughout the world expect a high quality finish when mitre joints form a part of their project. Here at Farnese Australia, we recognise the need of fabricators within the stone industry to satisfy this expectation by producing clean, accurate mitre cuts. The MITRE SAW GEN 2 quickly cuts accurate mitres for a wide range of materials including engineered stone, granite, marble and porcelain, ranging in thickness from 8mm to 40mm.

**The more accurate the cut, the better the overall result.**

The MITRE SAW's reputation for accuracy is due to the fact that the material is loaded polished face down, eliminating cutting errors that can arise due to small variations in material thickness along the length of the cut.

An accurate mitre cut is achieved each and every time due to the precise angle of the blade and the straight edge system which uses front edge stoppers to accurately position the material on the table.

No measuring. No mistakes.

Coupled with this, a series of pneumatic clamps hold the material firmly against the table so that it's always straight and always stays in place. The MITRE SAW uses a 350mm continuous rim, special purpose blade. Together with variable feed control, this means that a range of material thicknesses and hardness can be accommodated with minimal chipping and minimal cut deflection.

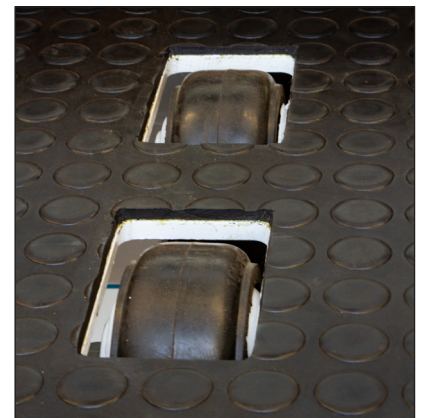
The machine is also equipped with pneumatic pop up rollers for ease of loading and unloading work pieces.

The rollers and the clamps are both controlled by the simple flick of a lever.

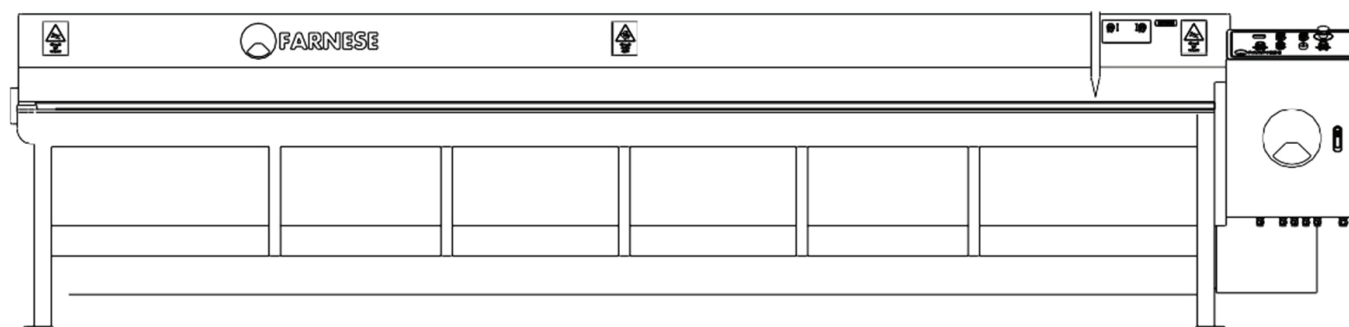
#### **SAFETY FEATURE:**

Should an operator forget to lower the loading rollers prior to lowering the clamps, the machine will release the rollers when clamps are lowered.

Lubrication is taken care of via an automatic system which can be programmed to deliver as necessary.



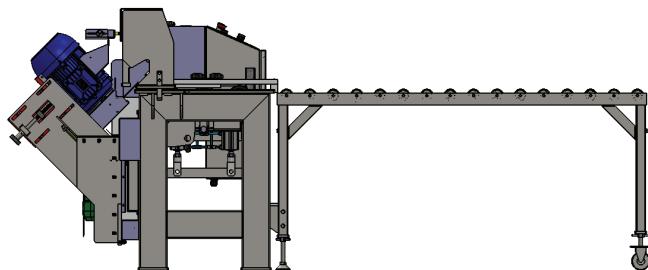
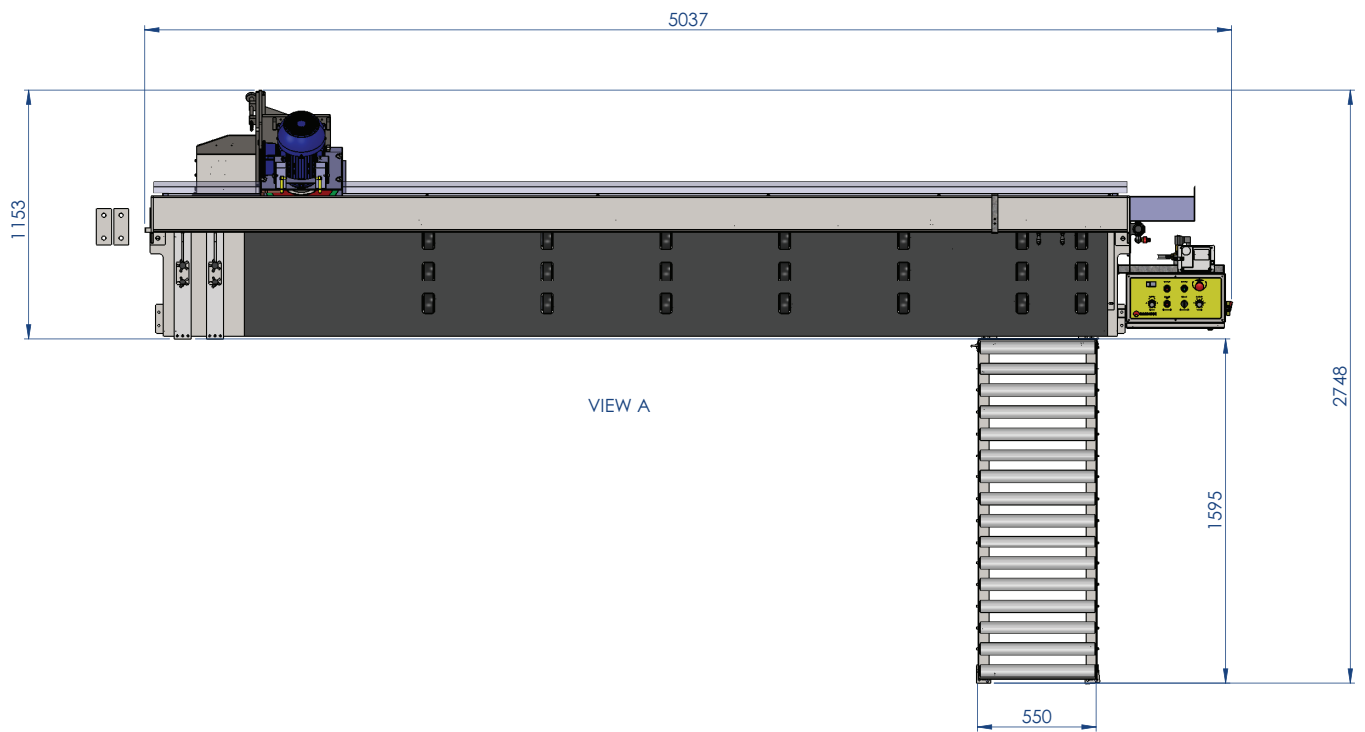
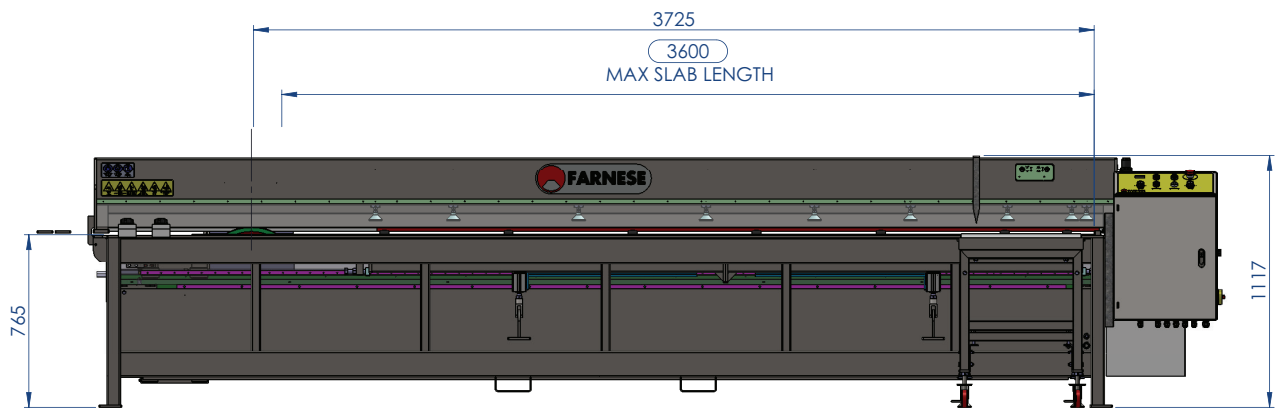
# MITRE SAW GEN 2



## TECHNICAL SPECIFICATIONS

DIMENSIONS OF INSTALLED MACHINE	METRIC	IMPERIAL
LENGTH	5050 mm	236.2 in
WIDTH	1200 mm	47.2 in
HEIGHT	1100 mm	43.3 in
WEIGHT	1100 kg	2420 lb
<b>ROLLER TABLE DIMENSIONS</b>		
LENGTH	1600 mm	63.0 in
WIDTH	600 mm	23.6 in
HEIGHT	800 mm	31.5 in
<b>FEATURES &amp; FEEDS</b>		
TABLE LENGTH	3800 mm	149.6 in
TABLE WIDTH	600 mm	23.6 in
X TRAVEL (CUTTING STROKE)	3650 mm	143.7 in
BLADE DIAMETER	350 mm	13.8 in
BLADE ANGLE	45° +/- 1°	45° +/- 1°
BLADE IN/OUT MOVEMENT	50 mm	2.0 in
CUTTING SPEED	0 - 8m / min	0 - 315in / min
MAIN SPINDLE POWER	4 kW	5.4 hp
MAIN SPINDLE SPEED	1440 rpm	1720 rpm
VARIABLE SPINDLE SPEED	YES	YES
AUTOMATIC CENTRAL LUBRICATION	YES	YES
POWER REQUIRED	400v 3ph 50Hz	208v 3ph 60Hz
	15A+ Neutral	21A
CONNECTIONS REQUIRED (SUPPLIED BY CUSTOMER) POWER, WATER, COMPRESSED AIR		
TOOLING   CONSULT YOUR LOCAL FARNESE DEALER FOR ANY TOOLING REQUIRED		
Optional 9kw / 12hp spindle motor available at additional cost.		

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.



## **Summary of Features -**

- Powerful 12 horsepower motor
- Very easy to use
- Variable feed controller
- Variable spindle speed ( see below on the specs sheet)
- Pneumatic rollers to assist loading and unloading
- Eight pneumatically controlled clamping feet
- Outrigger table to support larger pieces (Additional tables available as optional extras)
- Automatic lubrication system
- Special nylon clamps for securing small pieces( especially for doing double sided pieces)

## **FAQ**

### **What is the maximum slab length that the MITRE SAW 12HP can handle?**

The maximum slab length that can be cut by the MITRE SAW 12HP is 3600mm.

### **What training is offered with the machine?**

The MITRE SAW 12HP is extremely easy to set up and use. Usually within a day, your machine will be installed and you'll have all the training you need to achieve a high quality, accurate cut. Should you require more assistance, rest assured that help will always be available from the Farnese team.

### **What is the warranty period on the MITRE SAW 12HP?**

A standard 1 year warranty is offered with the machine.



## **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 and New Zealand company, we carry a vast array of parts here in New Zealand 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 New Zealand from our own qualified Technicians in New Zealand time.

Our mission here at Farnese is to give you the best support. As we grow, we continue to recruit more and more qualified technicians, to further strengthen our position in the industry.

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