

# TECHNICUT SAWJET



## DESIGN FEATURES

---

TOUCHSCREEN CONTROL PANEL

---

EASY TO USE INTERFACE AND SOFTWARE

---

COMBINATION CUTTING HEAD ALLOWS LIMITLESS CUT OUTS

---

CAD/CAM SYSTEM FOR USE WITH TEMPLATES AND DXF FILES

---

ONBOARD CAMERA

---

TILTING TABLE FOR EASE OF LOADING / UNLOADING

---

**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.

## **Get 2 machines in 1**

The SawJet from Farnese offers rock solid construction, ensuring the reliability and longevity of the machine. It is an ideal solution for fabricators who may need both a bridge saw and a water jet, but don't have the floorspace or the capital to invest in two separate machines.

## **The ability to use 2 technologies on the 1 machine creates endless possibilities.**

The combination cutting head, a perfect marriage of saw blade and waterjet, allows almost limitless cut out possibilities. Not only does it achieve straight cuts with ease and increased speed, but also takes care of sink cut outs, tap holes, powerpoint recesses and any other curves that may be required, eliminating many downstream jobs from the production process.

Cutting Natural Stone, Engineered Stone and hard to process materials, such as porcelains and ultra compact surfaces like Dekton and Neolith, with both the saw blade and waterjet is where this machine shines.

The fact that you have a saw blade at your disposal minimizes the use of the waterjet. The waterjet will only be used on hard to reach areas or shapes, thus minimising it's running and maintenance costs.

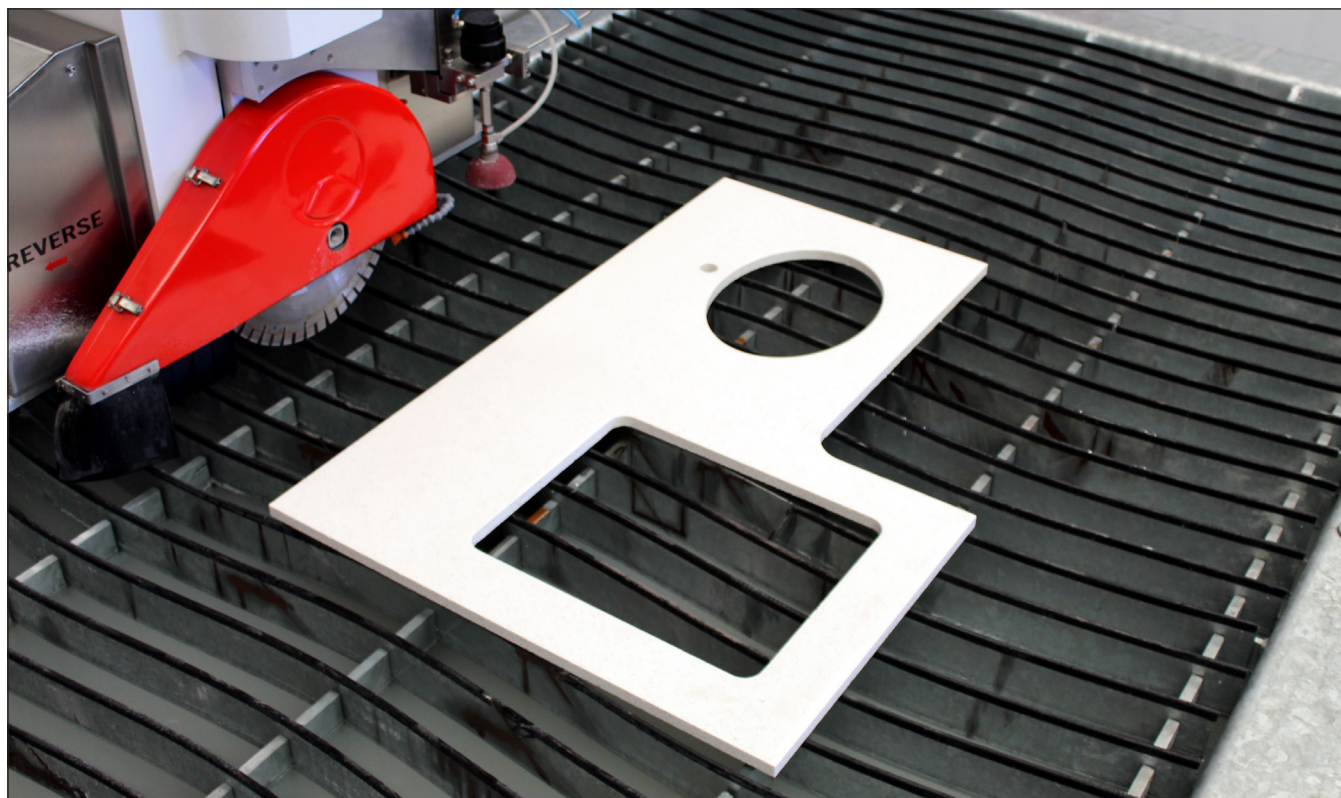
A standalone waterjet is potentially an expensive machine to operate, requiring a high level of maintenance and abrasive. These costs are dramatically reduced when combining a Waterjet with a Saw Blade, as a saw blade is the quickest and most cost efficient method to cut most materials.



DESIGNED FOR FUNCTION, BUILT TO LAST.

## **Ability to import DXF drawings from Digital Measuring Devices - E LASER, PROLINER, etc**

With the aid of Digital Measuring Devices, you will be able to measure a job directly on site, create the cutting drawings on your preferred CAD and send them directly to the SawJet for cutting, saving valuable time and reducing errors.



## **Easy to use Software**

All machines in the Farnese range are well known for their easy to use software and time saving capabilities and the SawJet is no different. The Farnese CAD/CAM makes it easy to work with templates or DXF files and makes it even easier to determine whether you want to cut with the blade or with the waterjet. Using the onboard camera, fabricators can capture an image of the whole slab on the table, then overlay the cutting program at the control panel.

A Porcelain option within the software allows operators to work with more confidence when dealing with the latest ultra compact materials. The software will automatically control parameters such as entry and exit speed on cuts, ensuring clean, accurate cuts. The machine can also run on third party software, should you have a preference for other programs.

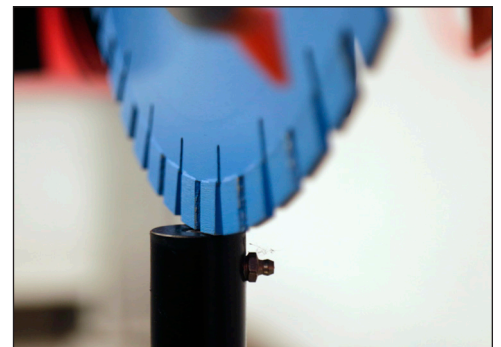
## Vacuum Manipulators

The vacuum manipulators really are a very important part of the sawing operation and process. Not only does it give you the opportunity to make blind cuts with the saw (where you would normally use the waterjet) but it also helps moving pieces around the table and from the table to transportation frames.



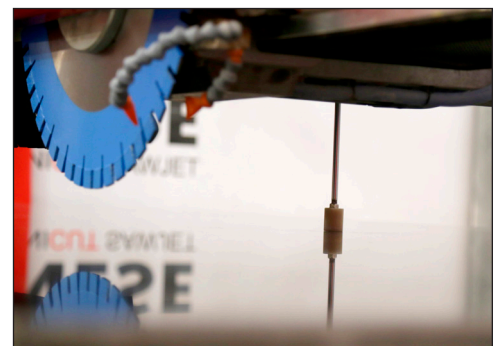
### Blade Thickness Probe.

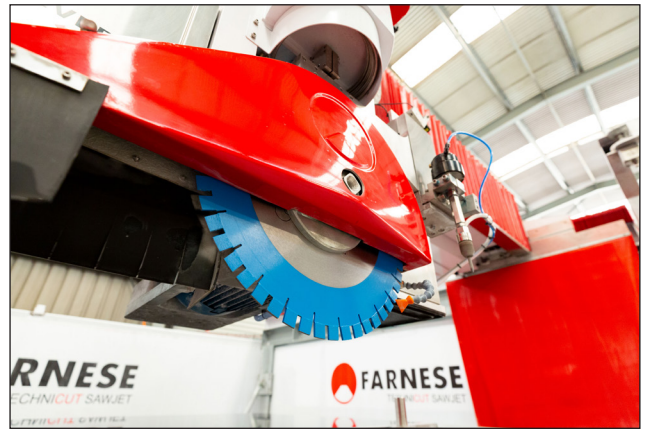
This allows for a blade's diameter to be monitored prior to cutting. Your preset blade parameters are then automatically adjusted so the blade only cuts the stone and not the table, removing the need for any manual adjustment.



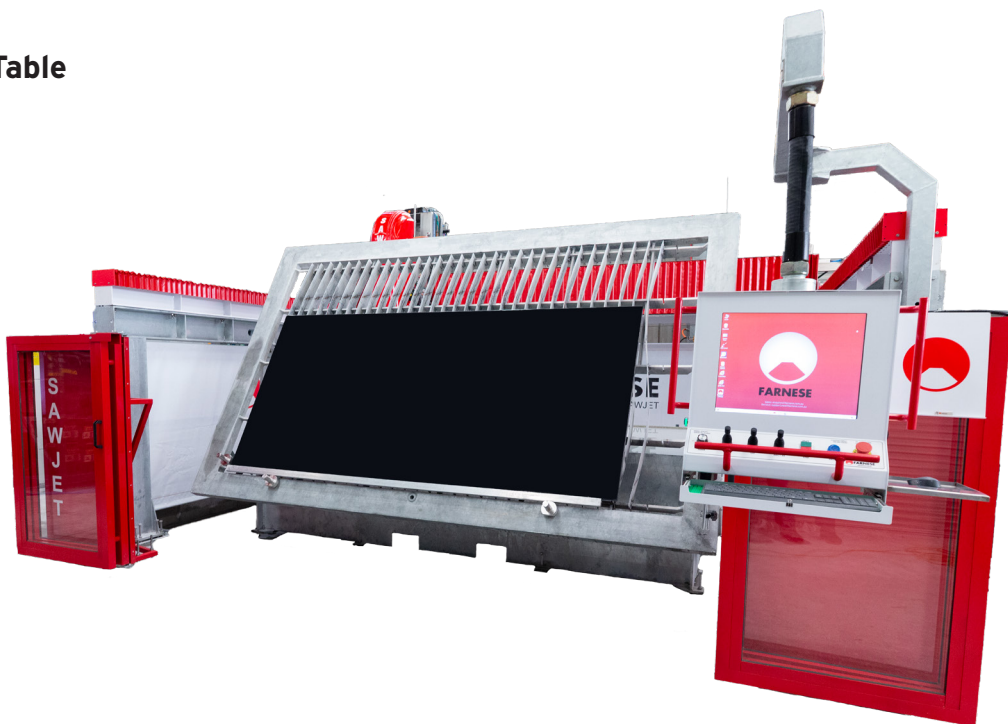
### Material Measuring Probe

The material measuring probe is used to measure the thickness of the material being cut, which is critical when you cut at 45 degrees for mitres. When we cut at 45 degrees, we measure two points on each cut (the beginning and the end of the cut) so that we can compensate for the thickness variation as we cut with the blade or waterjet.





## Tilting Table



The table also has the capability to tilt, enabling the easy loading and unloading of slabs.

## **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.

### **Features**

Easy to use interface and software

CAD / CAM system

Taglio Software - Advanced CAD/CAM Software solution option available

Less waste - Accurate programming of cuts can result in less waste

Fully galvanised frame and tank

Automatic lubrication system

Full 5 axis CNC controlled saw

Combination head - Saw Blade plus Waterjet - Allows almost limitless cut outs

The ability to cut up to 5mts per minute ( with the blade on a variety of materials)

Tilting Table - Makes loading and unloading of slabs a whole lot easier

Vacuum Manipulation

Thickness measuring probe

Onboard overhead camera

Laser cutting guide - Cuts can still be made in manual mode, using the laser as a visual for accurate blade positioning when operating in this mode.

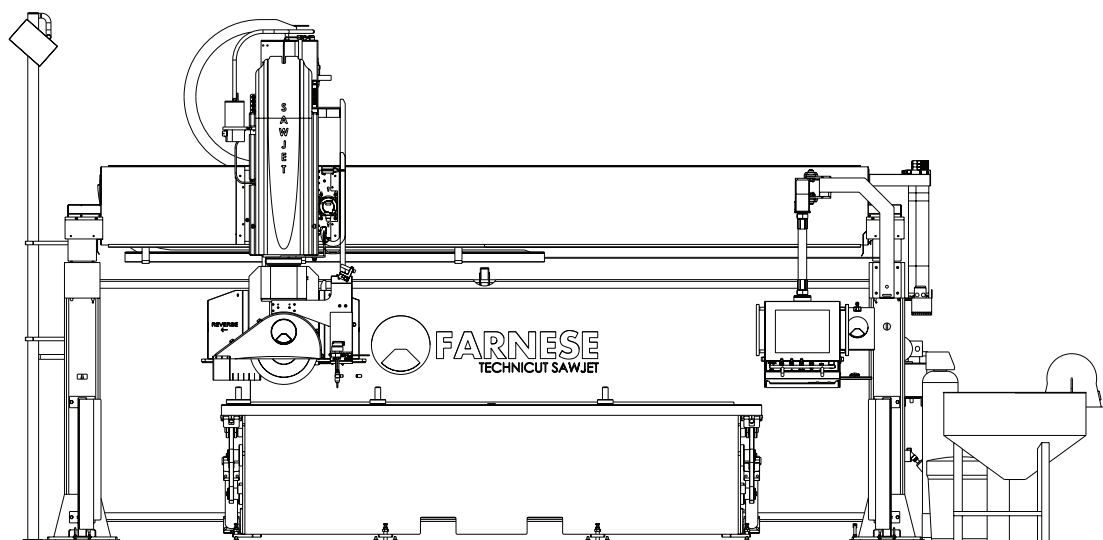
After sales service

Australian company

Local supply of spare parts

Remote access for troubleshooting help

# TECHNICUT SAWJET



## TECHNICAL SPECIFICATIONS

DIMENSIONS OF INSTALLED MACHINE	METRIC	IMPERIAL
LENGTH	7980 mm	314.2 in
DEPTH	5900 mm	232.3 in
HEIGHT	3800 mm	149.6 in
WEIGHT	7500 kg	16500 lb

TABLE	METRIC	IMPERIAL
LENGTH	3400 mm	133.9 in
DEPTH	2000 mm	78.7 in
HEIGHT	950 mm	37.4 in
ROTATION	NO	NO
TILT	YES	YES

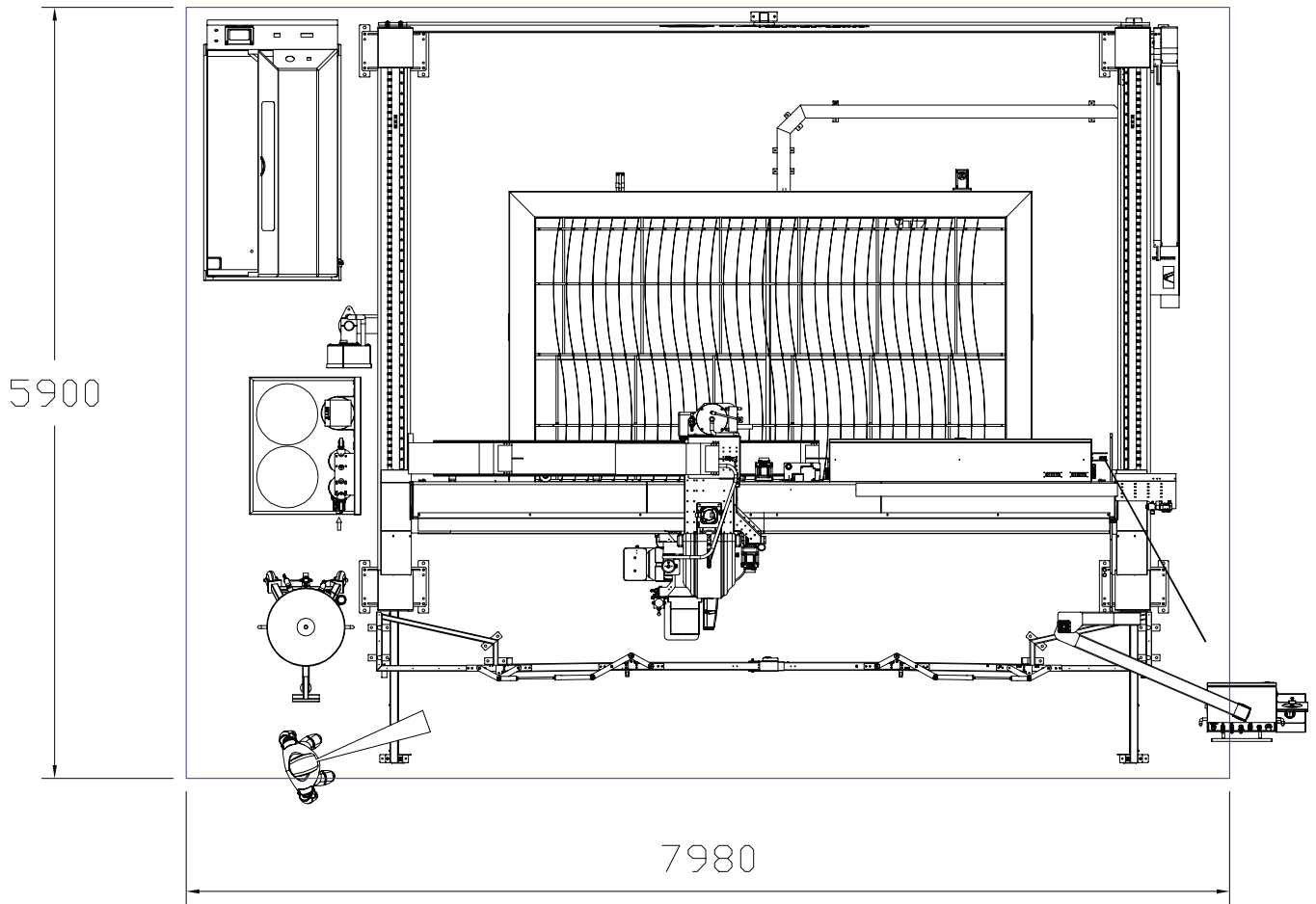
FEATURES & FEEDS	METRIC	IMPERIAL
X STROKE (CROSS TRAVEL STROKE)	4000 mm	157.5 in
Y STROKE (LONG TRAVEL STROKE)	3000 mm	118.1 in
Z STROKE (HEAD UP AND DOWN)	380 mm	15.0 in
BLADE DIAMETER (RECOMMENDED)	450 mm	18 in
BLADE SHAFT DIAMETER	60 mm	2.36 in
BLADE TILT	0 - 90°	0 - 90°
HEAD ROTATION	0 - 360°	0 - 360°
WATERJET OPERATING PRESSURE	380 Mpa	55000 psi
PHOTO CAMERA	YES	YES
GARNET FEEDER	YES	YES
THICKNESS PROBE	YES	YES
VACUUM MANIPULATORS / MATERIAL POSITIONING	YES	YES
LASER CUTTING GUIDE	YES	YES
GALVANIZED RAILS AND TABLE	YES	YES
AUTOMATIC LUBRICATION	YES	YES
MICROSOFT WINDOWS AND DXF CAD COMPATIBLE	YES	YES
MAIN SPINDLE POWER	11 kW	20 hp
MAIN SPINDLE SPEED	800 - 3000 rpm	800 - 3000 rpm
POWER REQUIRED	400v 3ph 50Hz	208v 3ph 60Hz
	100A+ Neutral	200A

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.

5 Heald Road, Ingleburn NSW 2565 Australia  
ABN: 47 057 462 629 • ACN: 057 462 629  
Phone: 1300 075 678 • [www.farnese.com.au](http://www.farnese.com.au)



5 Heald Road, Ingleburn NSW 2565 Australia  
ABN: 47 057 462 629 • ACN: 057 462 629  
Phone: 1300 075 678 • [www.farnese.com.au](http://www.farnese.com.au)

DESIGNED FOR FUNCTION, BUILT TO LAST.