

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

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.

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.

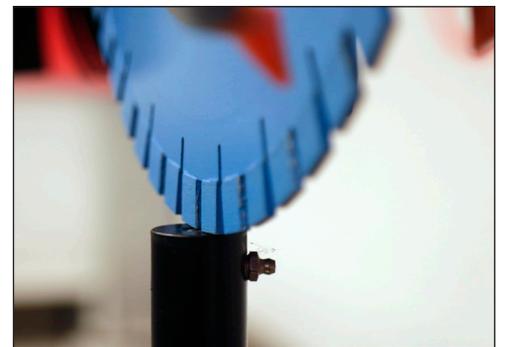
Vacuum Manipulators

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.



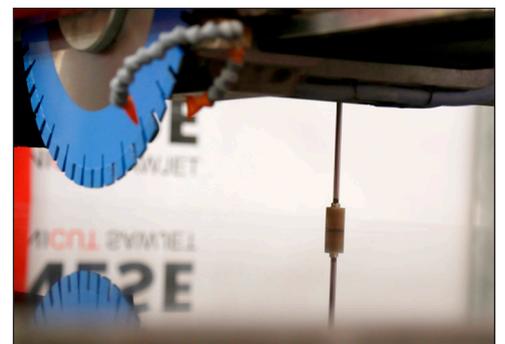
Blade Thickness Probe.

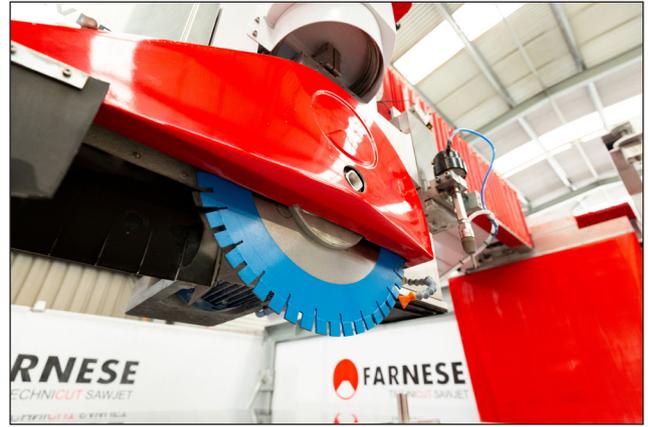
This allows for a blade's diameter to be monitored prior to cutting. Your preset blade parameters are then automatically adjusted so the blade only cuts the stone and not the table, removing the need for any manual adjustment.



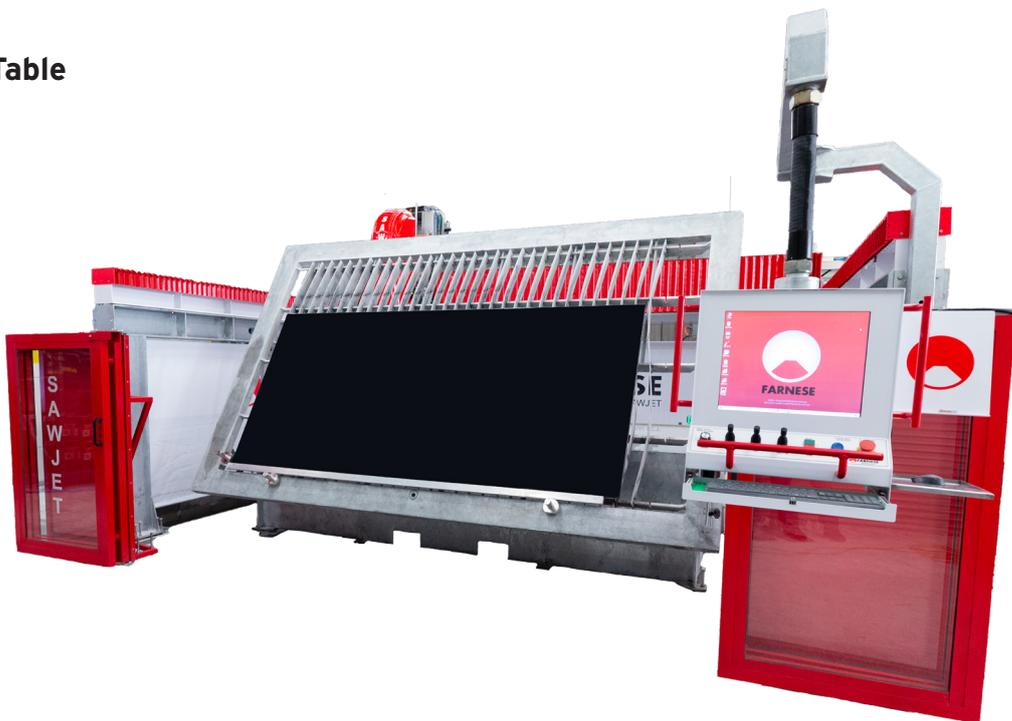
Material Measuring Probe

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.



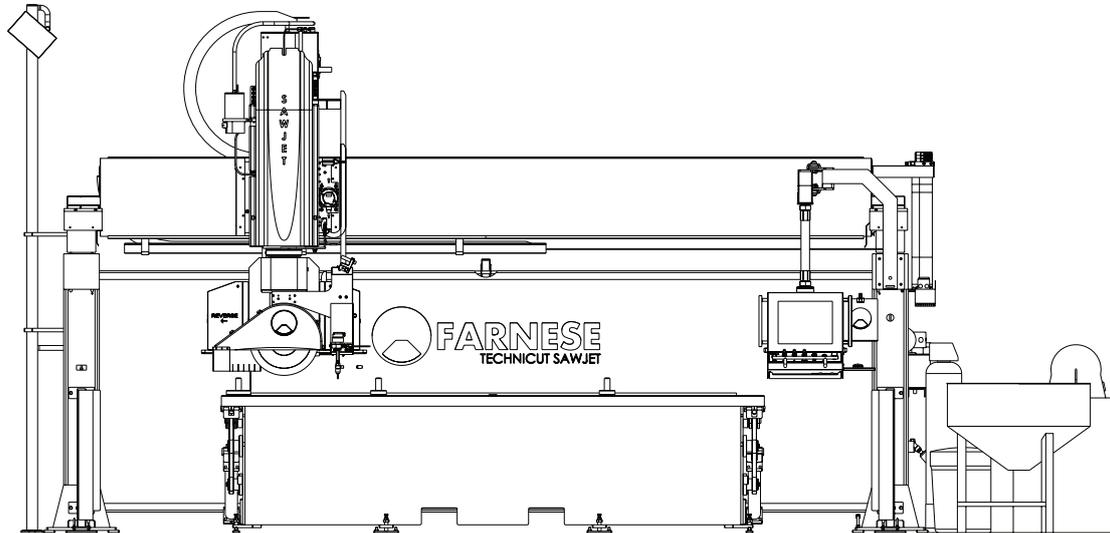


Tilting Table



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

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 |

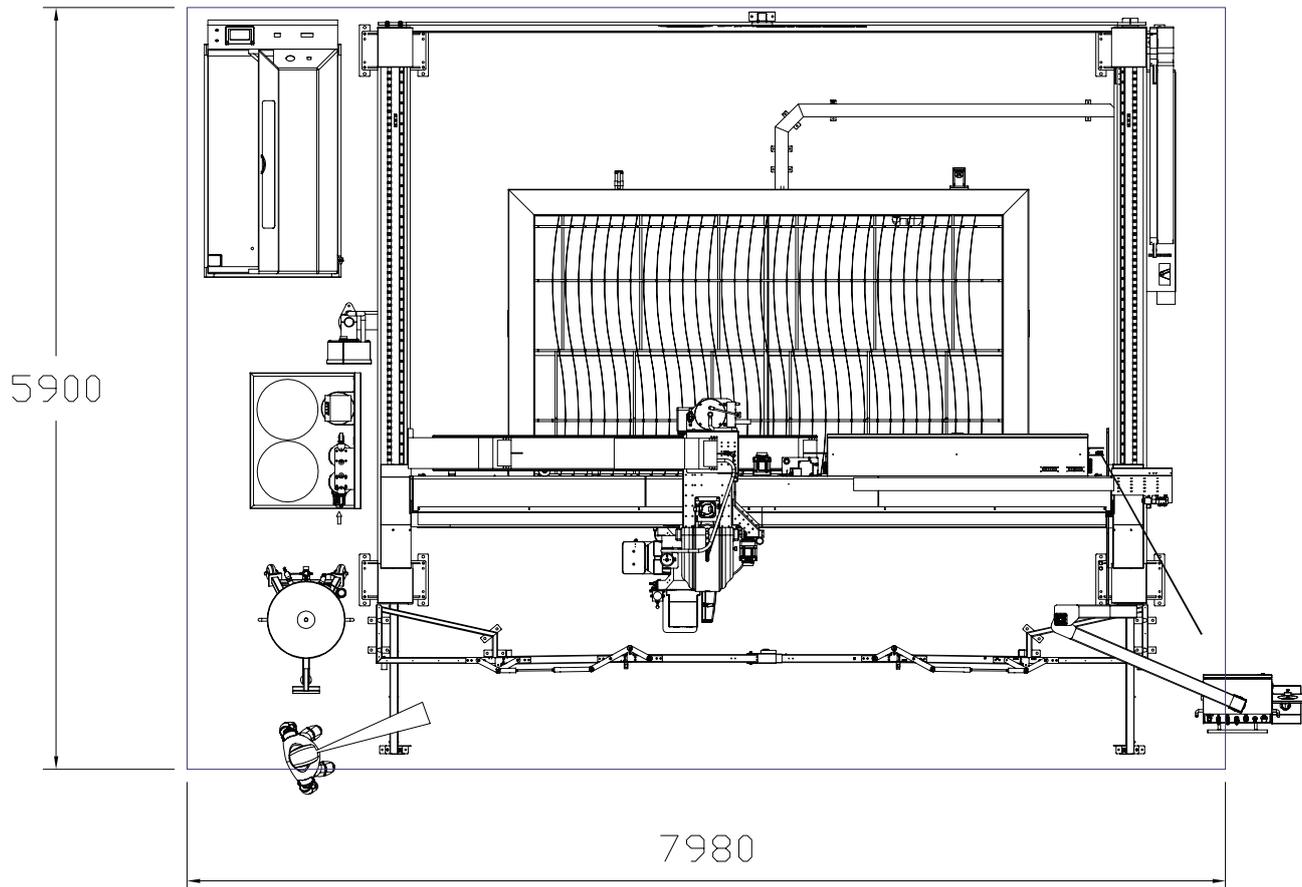
| TABLE | METRIC | IMPERIAL |
|----------|---------|----------|
| LENGTH | 3400 mm | 133.9 in |
| DEPTH | 2000 mm | 78.7 in |
| HEIGHT | 950 mm | 37.4 in |
| ROTATION | NO | NO |
| TILT | YES | YES |

| 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.



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

Local supply of spare parts

Remote access for troubleshooting help

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.

68 Montgomery Crescent, PO Box 40-809, Upper Hutt, New Zealand

PH +64 4 526 8589 info@farnese.co.nz