



Almonte Automatic



Almonte Automatic Core Saw

The Almonte Automatic Core Saw has and is constantly being updated by robotics specialists and automation engineers. It is guaranteed that all electrical equipment and wiring has been installed by qualified and licenced electricians — which is only one of the multiple reasons the saw meets all safety standards.

Almonte Automatic is the world's safest Core Saw.

Phase 3 380-480V 50HZ



	SKU	DESCRIPTION	SIZE
A	1148-10000	Almonte Automatic Core Saw	380-480V 50HZ*
B	1148-00009	Almonte Recycle Water Unit	230L water capacity

**Please confirm site power requirements when requesting a quote or ordering.*

Note: The Core Saw and the recycle water unit are sold separately.

Variable Core Sizing

Handles all core from B to P. Pieces up to 400mm long may be fed with ease. Broken core samples are also handled easily.

Self-Flushing

Water, dust and mud spill drains away. Mess is reduced to a tidy minimum.

Almonte Worldwide Safety Standards and Qualifications:

- CE – The Almonte Core Saw has passed all the vigorous tests to be awarded the safety mark “CE” from the European authorities.
- AS 4024 .1501 – Plant safety in the mining industry.
- Cat 4 – The Almonte Core Saw qualifies for a Category 4 rating. The Almonte Automatic Core Saw complies with and is recognised by the Australian Safety Standard, Also it is quality controlled by a licenced electrical engineer.
- We make core saws suitable for the voltages in the range of 220V to 480V, all our saws runs on 3 phase power; these saws are supplied at specific voltage of the country of export.
- The control panel is conveniently located at the front of the machine therefore alleviating any risk that can be caused by having to lean over to control the machine which can lead to articles of clothing being caught by moving parts leading to possible injury.

Almonte Recycle Water Unit

This unit was designed to recycle water for use with the Almonte Automatic Core Saw. Using this unit can save up to 8000L of water per day.



Almonte Automatic Core Saw demonstration video is available on our website: westernex.com.au

Almonte Automatic Core Saw

Blade Efficiency

The diamond blade life is significantly improved. The motor speed is set to a recommended 2,500rpm for optimum cutting efficiency and a greatly improved blade life.

Research and development on our blades is an ongoing task to ensure that we bring you the best in our range.

Operator Safety

The Almonte Automatic Core Saw offers a quantum leap in operator safety and user friendliness.

Safety features include:

- A fully enclosed blade guard.
- A unique patented RFID safety device incorporated within the red handle that shuts down the saw if the blade guard is raised exposing the blade.
- The RFID system cannot be overridden by inserting something between the sensors.
- The drive feed activation is linked to blade operation; neither operates in isolation to the other.
- Computer controlled drives constantly monitor blade speed, pressure and feed chain speed.
- Operation shuts down if maximum pressure is exceeded.
- A reverse drive mode to enable safe, easy clearance of obstructions.

Heavy Duty

The sturdy construction can be attributed to the heavy duty steel that is primed and powder coated to resist corrosion, and to provide years of hard work and reliability.

Noise Reduction

The sound insulation kit dramatically reduces noise levels and noise fatigue. These kits can be supplied should they wear out or get damaged. Sound dampened blades will also assist in the reduction of noise.

Spare Parts

Almonte carries the full range of spare parts for your core saw. All parts are ex works and in smalls stock at all times to ensure your machine stays up and running.

Suits Most Power Supplies

The Almonte Automatic Core Saws are available in models to suit majority of power supplies around the world.

Warranty Protection

12 months written warranty applies to motor and gearbox components under normal operating conditions. Replaceable components such as chains and blades are not covered by the warranty.



Visit [Almonte Diamond website](http://AlmonteDiamond.com.au) for more information
almontecoresaw.com.au

Consumables

Yellow Diamond Blade

The yellow blade will cut materials of soft to medium hardness.

SKU	DESCRIPTION	SIZE
1148-00023	Yellow	12" 300mm
1148-00024	Yellow Sound Dampened	12" 300mm



Orange Diamond Blade

The orange blade will cut medium to hard material. Also available as a sound dampened blade.

SKU	DESCRIPTION	SIZE
1148-00022	Orange	12" 300mm
1148-00019	Orange Sound Dampened	12" 300mm



Green Diamond Blade

The black blade is the first choice for harder materials, but the green blade is an alternative and is dependent on the composition of the rock. The green blade will cut slightly harder material than the orange blade. Also available as a sound dampened blade to special order.

SKU	DESCRIPTION	SIZE
1148-00021	Green	12" 300mm
1148-00060	Green Sound Dampened	12" 300mm



Black Diamond Blade

The black blade is used for hard to very hard cores e.g. magnetite & banded iron.

SKU	DESCRIPTION	SIZE
1148-00081	Black	12" 300mm
1148-00020	Black Sound Dampened	12" 300mm



Consumables

Silver Blade

Alternative to Black blade to cut very hard material. Mainly for iron ore and other very hard material. Harder and more abrasive material will generally reduce the life of the blade.

SKU	DESCRIPTION	SIZE
1148-00090	Silver Blade	12" 300mm



Pink Diamond Blade

The Pink blade is used for very hard to extremely hard core, complementing the black blade. Note depending on the core the black blade is better on some core than the pink is on others.

SKU	DESCRIPTION	SIZE
1148-00058	Pink	12" 300mm
1148-00050	Pink Sound Dampened	12" 300mm



Continuous Diamond Blade

For use on very soft material (such as clays, malachite etc.) and brittle rock that is susceptible to shattering if using blades with segments.

SKU	DESCRIPTION	SIZE
1148-00057	Continuous Diamond Blade	12" 300mm



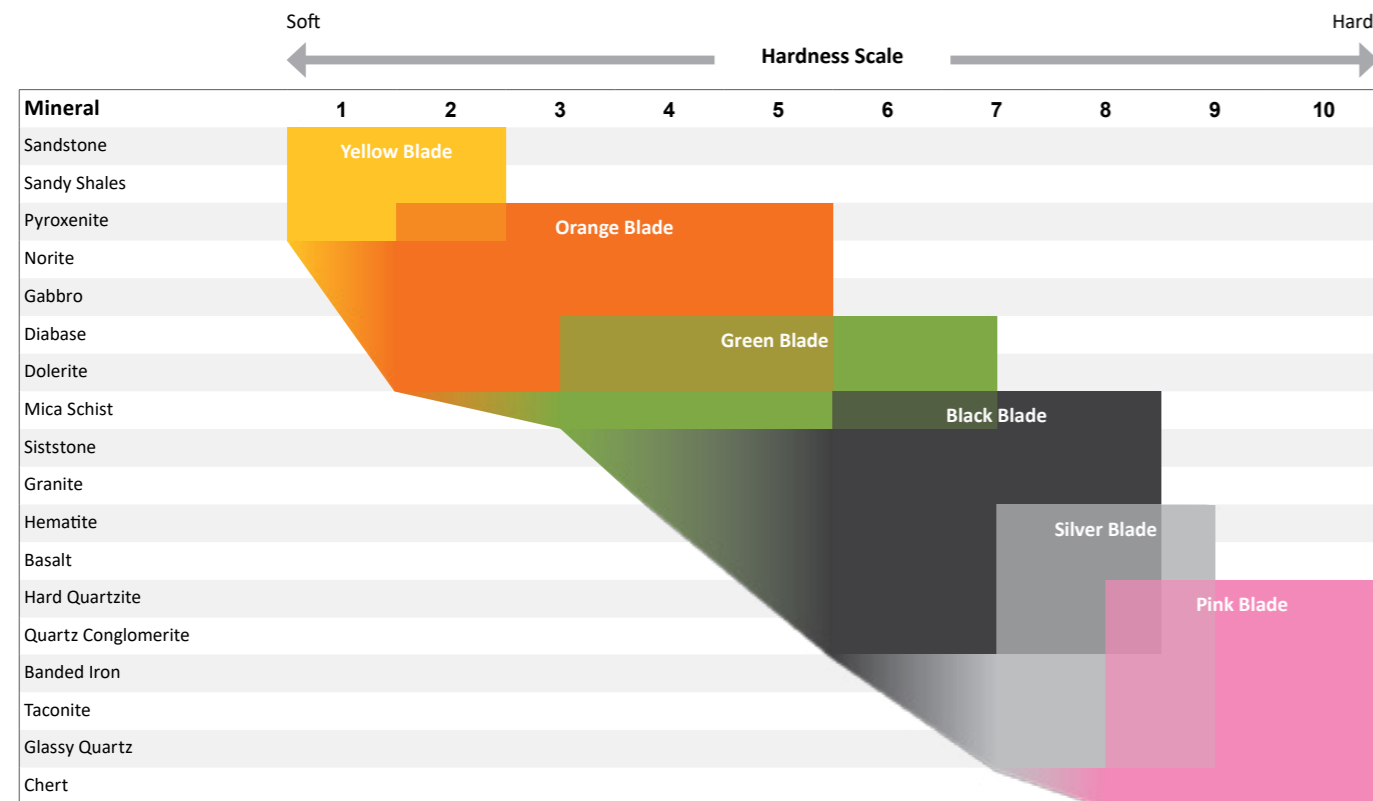
Other Diamond Blades Available

For other blade options, please get in contact with our sales team at supply@westernex.com.au in order to discuss and nominate the appropriate blade for its purpose.



Almonte Blade Hardness Scale

PLEASE NOTE: This guide is intended only as an indication of the type of blade that could be used on different minerals. It is known that within each rock type, there are variations and different levels of abrasiveness.



Consumables

Almonte Flip Top Core Carriers

These carriers are specifically catered towards broken cores (the flip tops and lids encase the core to keep everything in place).



SKU	DESCRIPTION	SIZE
1148-00106	Almonte Flip Top Core Carrier	B
1148-00104	Almonte Flip Top Core Carrier	N
1148-00105	Almonte Flip Top Core Carrier	N2
1148-00110	Almonte Flip Top Core Carrier	N3
1148-00103	Almonte Flip Top Core Carrier	H
1148-00111	Almonte Flip Top Core Carrier	H3
1148-00109	Almonte V-Core Holder with Lids	P

Almonte V-Core Holders

These core holders have open tops and are more catered towards whole cores.



SKU	DESCRIPTION	SIZE
1148-00102	Almonte V-Core Holder	B, N, N2 & H
1148-00101	Almonte V-Core Holder	P

Almonte Recycle Water Unit

This unit was designed to recycle water for use with the Almonte Automatic Core Saw. Using this unit can save up to 8000L of water per day.

SKU	SIZE
1148-00009	230L water capacity

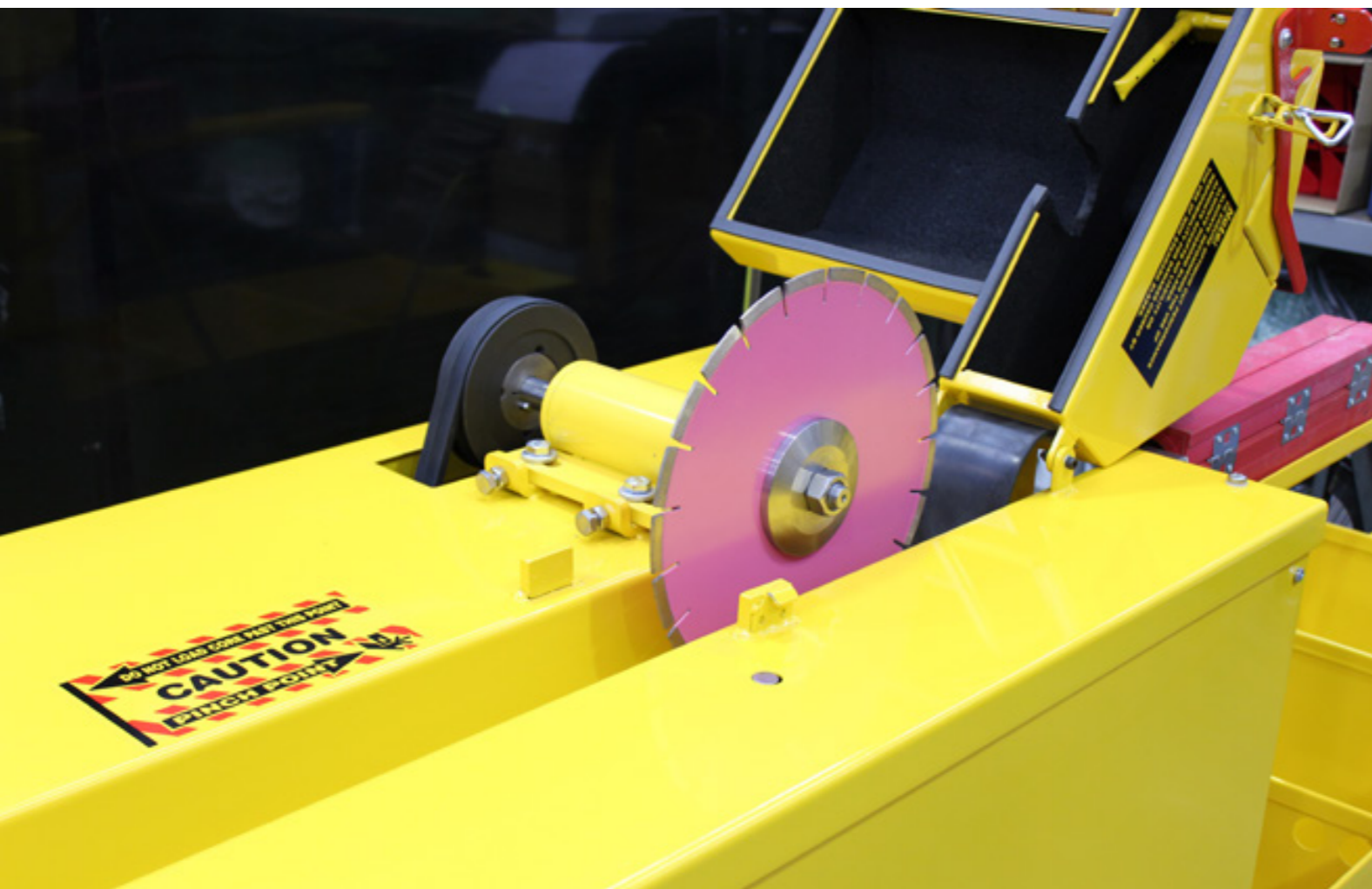


Almonte Shipping Crate

These come in two different sizes—one to fit the saw solely and the other to fit both the saw and recycle tank. The larger size also meets the maximum dimensions allowed via air transport.*

SKU	DESCRIPTION
1148-00072	Saw
1148-00073	Saw & Recycle Tank

*Both crates have been treated and meet the IPPC standard.



Mount Isa Core Saw Hire

After many requests for an automatic Core Saw hire facility, particularly by smaller tenement holders, Westernex has made it a reality. The site is now complete and ready for hire. The Almonte fully automatic core saw is the perfect accompaniment for the Core Trays, Blades, Carriers and all your exploration and Core cutting supplies.



Please get in touch with one of our Mount Isa branch staff members to book time on the machine that suits your requirements.

WESTERNEX MT ISA BRANCH

Contact Details

Phone: (07) 4743 2122

Email: mtisa@westernex.com.au



Almonte Automatic Core Cutting Facility

Features & Benefits

The most efficient and safe way to cut core in the comfort of air-conditioning, fitted with the world's safest and vastly superior truly Automatic Almonte Core Saw.

This fully air-conditioned, insulated modified refrigerated container has been converted into the best core cutting facility on the market. Available as a permanent fixture or to be used as a portable cutting station, trays are loaded with core to be cut and then exit out of the other end, ready for sampling.

The PVC strip curtains prevent flies and help to keep the cool air inside the container.

There is a roller door on the side, which is perfect if the team is short-staffed, as one person can cut and sample at the same time by positioning the pallet and empty cage behind them. Having a roller door on the side, also make it possible to easily lift out the core saw with a forklift if you ever want to re-purpose the container in years to come.

Each Standard Core Cutting Container comes with:

- Almonte Automatic Core Saw
- Almonte Recycle Water Unit
- Split system air conditioner
- Roller Racking - Entry Racks in the door and Exit Racks out the rear
- Internal Lighting
- Personnel Door in Side of Container
- 3 Phase Power Sockets
- PVC Strip Curtains
- Roller door on the side (with forklift access)

SKU
1148-90000

These containers can be customised by adding an electrical air curtain and any other requirements to suit all customers. The standard unit is available to hire or buy.



Almonte Automatic Core Cutting Facility

What you need to know about these containers

20' 8'6" Insulated Container-Second-Hand Refurbished
Wall thickness 75mm

Structural Features

- Standard Double Doors
- Stainless Steel Interior
- Floor Type: Standard Ali T Bar

Structural Modifications

- 100mm Cool Room Panel fit to end (where RF Unit used to be) 1x side recessed for the A/C as per diagram.
- Front Personnel Door High Security Anti-Vandal with handle, Opening: 814mm (W) x 2015mm (H)
OS: 910mm (W) x 2065mm (H)
- PVC Air Curtin installed to Front Personnel door B
- Side Roller door manual operation with center key lock 2500 (L) x 2000 (H) Ht approx with PVC Air Curtin A
- T-Bar floor painted with non slip paint
- Floor Drains 7x 4xfront 3x rear with a small trough at each end (for easy cleaning)
- Window with fixed pane with external bars 1800 (L) x 1200 (H) D
- Water Inlet & Outlet Hole Rear Wall L
- 2x Wall Cut Outs for Roller Racking with Galv hinged door lockable. Internal to have PVC Strip Curtains on each.
1x at Rear, 1x in LH Door: 660 (W) x 540 (H)
Both 985mm from Floor. E1 & E2

Paint Spec

- Exterior: White Enamel

Electrical Modifications

- 5kw Split System Air-Conditioning Unit-Brand New
- Recessed into end wall as per diagram H & I
- 1 Year Factory Warranty on New A/C Units
- Indoor Blower mounted center of end wall with isolator switch
- A/C Remote control holder
- 4x Internal Lights (Double Fluoro) J1
- 2x Light Switch
- 3x 10Amp Double GPO's F1, F2 & F4 Water Recycle
- 1x 20Amp 3Phase 415V, 5Pin Outlet wall mounted with RCD Combo F7 (note: moved to RHS of end wall away from spray) 2x Extraction Fans 250mm, 550m3/hr
- Inside Electrical Control Box lockable, fitted with hasp and staple with 8mm dia hole
- Note: Power supply hole next to electrical box

Power Connection

- Power Supply: 3 Phase 5 Pin 32Amp Plug with 18m of cable, external rear wall.



Additional Optional Upgrades and Accessories

Water storage

1000LTR IBC water storage.

SKU
1168-00030



Palift Turntable-Spring Combo

Spring Combo's Required on order.

SKU
1204-00201



Diesel Generator DCA-35

Diesel Generators are widely regarded as the most bullet proof generators in the world. This fact, combined with Westernex huge stock levels, ability to service nationally and legendary support makes it a winning combination.

SKU
1148-90000-C



Optional extras

- Power Outlets
- Lockable Battery Isolator
- Fire Extinguisher
- Long-Rang Fuel Tank
- 3 Way Fuel Valve
- Hi-VisTape
- Heavy Duty Skid with Fork Points
- Outlet Kits:
 - 3 x 15AMP 1 x 32AMP
 - 3 x 15AMP 2 x 32AMP
 - 3 x 15AMP 1 x 32AMP 1 x 50 Amp

SKU
1148-90000-C-1
1148-90000-C-3
1148-90000-C-4
1148-90000-C-5





Perth Main Warehouse

66 Truganina Rd, Malaga,
Western Australia 6090
+61 (0) 8 9209 8500
perth@westernex.com.au

Kalgoorlie Warehouse

18 Kinclaven Way, Broadwood,
Kalgoorlie, Western Australia 6430
+61 (0) 8 9091 1152
kalgoorlie@westernex.com.au

Brisbane Warehouse

14 Hasp St, Seventeen Mile Rocks,
Queensland 4073
+61 (0) 7 3376 2422
brisbane@westernex.com.au

Mt Isa Warehouse

13 Ryan Rd, (Entry off Davis Rd)
Mt Isa, Queensland 4825
+61 (0)7 4743 2122
mtisa@westernex.com.au

Orange Warehouse

72 Astill Drive, Orange,
NSW, 2800
+61 (0) 7 3376 2422
brisbane@westernex.com.au

