



Unbeatable Safety  
Hand-built to Last

**COREWISE**  
PTY LTD

Automatic Core Saws

Making Life Easier   
**dynamics**  
G-Ex

# World's Most Advanced Technology. Maximum Efficiency. Safety That's Second to None.

## Choose Corewise Automatic Core Saws



In an efficiency and safety-driven market, Core Saw downtime can cost a mining site as much as \$5,000 in losses per hour. At the same time, worker safety is always paramount, leaving no room for accidents.

Leveraging the manufacturing technology and craftsmanship that first made the Almonte Core Saw possible, Almonte inventor Frank Frisina introduces industry-leading advancements to the core saw under the Corewise brand.

Imagine never having to compromise safety for rugged durability that's built to last in the toughest mining conditions: **that's the Corewise difference.**

## About the Product

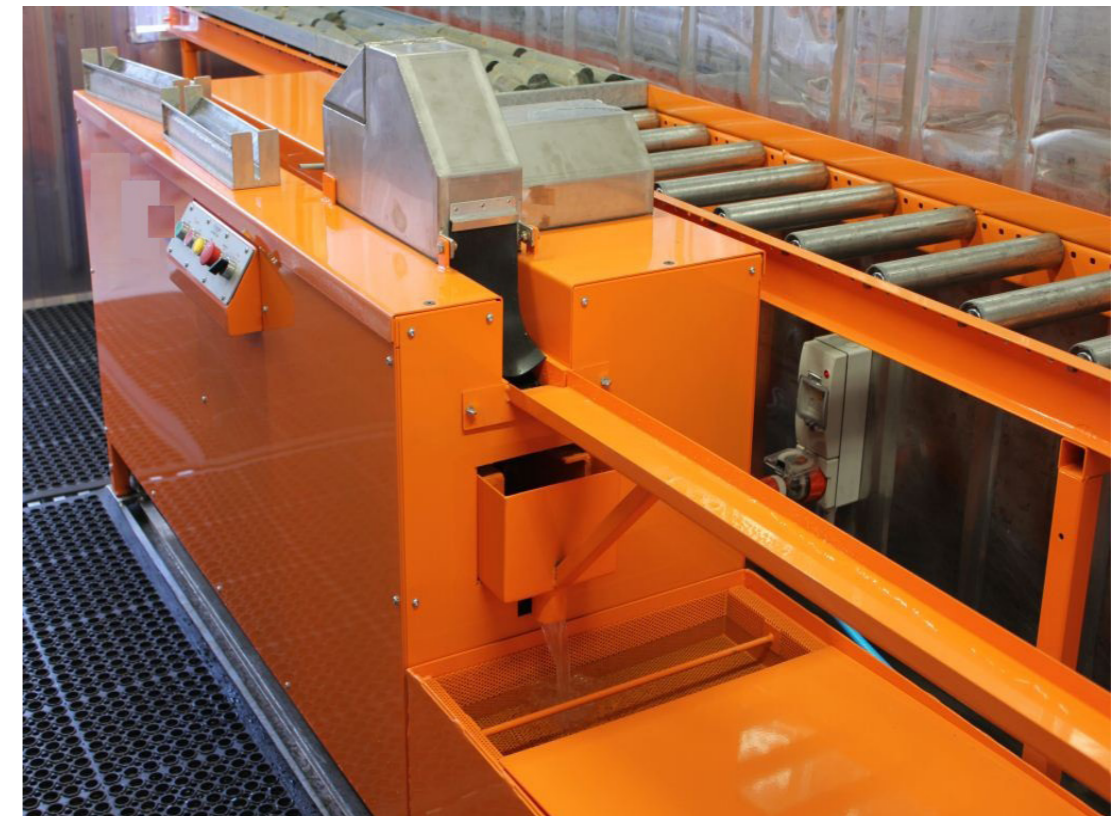
The Corewise Patented Automatic Core Saw is the world's most technologically-advanced core cutting machine, well known to be the safest and most practical choice in the industry for all core cutting applications. Designed and built in Australia, Corewise Automatic Core Saws are constructed with premium galvanised and stainless steel, including stainless steel internal bolts to increase machine lifespan. They have aluminum composite sheet paneling, which stops vibration and reduces noise levels, leading to less wear and tear on parts and increased operator comfort. Corewise Core Saws also feature an anti-jam system in both forward and reverse mode, eliminating the risk of jams that can cause potential operator hazards.

The core saw is also fitted with a proximity sensor that automatically cuts the power when body parts come within the blade area, or when the blade housing is lifted.

Complimenting this feature, the saw is fitted with dynamic braking, ensuring that the blade stops immediately -- spelling the difference between absolute safety and loss of limbs, if not fatal accidents.

The Corewise Automatic Core Saw is available in three-phase and single-phase models, with the latter designed for smaller exploration programs.

A Recirculation Tank is supplied alongside the Corewise Automatic Core Saw. The tank is constructed from powder-coated aluminium with 3 stage settling tanks, a submersible pump, mesh basket, and a lid and hose with fittings. This can be bought on top of the standard Corewise Core Saw package.



# The Corewise Difference: 5 Unique Benefits

## 1 Controllable Feed Rate for varying Rock Types

The first of its kind, the Corewise LCD screen constantly monitors both motors. This ensures that the operator can run the saw at the correct feed speed based on the core hardness. The core saw's entire control panel keeps all control buttons away from wet areas, eliminating risk of electrical shocks.



## 2 Core Cut at Double Speed for Increased Productivity

The saw is driven by an innovative feed system which allows operators to instantly feed core without having to wait for pushers, increasing your productivity without compromising safety.



## 3 Total Ease of Maintenance

External grease points means easier access. Operators no longer need to open up the saw to grease and maintain all internal parts unlike older models. This leads to less downtime and breakdown of parts, saving you time and money.



## 4 Suitable for all Drill Core Sizes

The only saw with a 110mm core feed channel versus the traditional narrower 90mm gully. This means the Broken PQ Core Guide will fit into the channel with ease and also ensures the core guides will never ride up during operation, like the older 90mm channel machines.



## 5 Safe and Stable Operating Environment

Built with adjustable, anti-vibration feet, the core will always be level on any operation ground surface. To date, no LTI or LTA have ever been reported on a Corewise. All saws are supplied with a 300mm blade, V-Core Guide, and N2 and H Broken Core Guides.

Clients can also opt to purchase an extra water Recirculation Tank constructed from powder coated aluminium with 3 stage settling tanks, submersible pump, mesh basket and hose with fittings. This tank is built in conjunction with the Corewise Automatic Core Saw.

To ensure our product is delivered to you in perfect condition, we built a crate specifically to protect the saw. For export, these crates are heat-treated and fumigated to fulfill customs standards.



# Available in Single-Phase and 3-Phase Configurations

The Corewise Automatic Core Saw is designed for exploration programs of all scales. While the 3-phase model is supplied for most mine sites, we also offer the single-phase core saw for smaller exploration programs, which require greater portability, and where smaller amounts of core need to be cut. The 3-phase core saw will cut up to six times faster than the single-phase model, but both are ideal options for any project where operator safety is a priority.



Automatic Core Saw Specifications		
Product Code	DYNOAUTO (3 PHASE)	DYNOAUTOS (SINGLE PHASE)
Blade Guard Capacity	300 mm	
Max Depth of Cut	Cuts from B to P size core	
Blade Arbour Size	25.4 mm	
Blade Shaft Drive	Two V Belts	
Blade Guard	Stainless Steel	
Blade Coolant	Water	
Frame	Powder-coated Galvanised Steel	
Weight in KG	440	170
Crafted in KG	543	259
Dimensions (mm)		
Width	868	
Height	1406	
Length	2048	1638

Power Source		
Product Code	DYNOAUTO (3 PHASE)	DYNOAUTOS (SINGLE PHASE)
Motor	Electric	
Power	7.5 KW	2.2 KW
HP	10	3
Voltage	80 - 460	220 - 240
Blade Shaft RPM	2400@50HZ, 2509@60 HZ	
Phase	3	1
Max Load Current	12 AMP	10 AMP
Starter	Variable Speed Drive	
Coolant	Air	

*"I've been using the Corewise Core Saw for over 10 years and I've got nothing but praise for it. Not only is it a very reliable piece of equipment, but it is also extremely safe to use. I've found that I can cut large amounts of core in a relatively short space of time and it is very simple to operate. I would have no problem recommending it to anyone."*

**Perilya Limited**

# Discoverer Core Guides to Automatic Core Saws

## Discoverer Diamond Core Cutting Blades



Since 1993, Discoverer has continued to produce only the highest quality products and our Diamond Blades are no exception. These are produced specifically for the mineral core industry and have been proven time and again as a premium blade that lasts longer, cuts faster and is highly likely to be the lowest cost per metre blade on today's market.

Due to the use of state of the art technology, combined with the finest quality diamond in our manufacturing process, Discoverer is so confident in our diamond blades and their consistency that we offer a full no hassle money back guarantee.

Code	Available sizes	Unit	Ctn Qty	Stock status
CBLDM12	Discoverer Core Cutting Blade - Very Hard 12" (300mm)	EACH	1	In Stock
CBLDM14	Discoverer Core Cutting Blade - Very Hard 14" (350mm)	EACH	1	In Stock
CBLDA12	Discoverer Core Cutting Blade - Ultra Hard 12" (300mm)	EACH	1	In Stock
CBLDA14	Discoverer Core Cutting Blade - Ultra Hard 14" (350mm)	EACH	1	In Stock
CBLDS12	Discoverer Core Cutting Blade - Medium to Abrasive 12" (300mm)	EACH	1	In Stock
CBLDS14	Discoverer Core Cutting Blade - Medium to Abrasive 14" (350mm)	EACH	1	In Stock



For use in conjunction with the Automatic Core Saw, we manufacture the whole range of Discoverer® Broken Core Guides for holding brittle or damaged core, or an V-Core Holder for competent core when being cut.

We have committed to manufacturing the Discoverer® Broken Core Guides as a superior product to anything else on the market currently. This is due to the demand & feedback we have from Coresaw Operators which enables this product to endure the tough, rigorous environment they are subject to. The end plates are individually manufactured from an one-piece mild steel plate, which means that it's virtually impossible to 'bend' or misshape this plate. The four hinges are heavy duty in view of being opened many hundreds of times throughout it's life-cycle. And finally the unique solid plastic casing around the core itself, is chosen for it's robust and enduring properties. We've had feedback that these Discoverer Core Guides will outlast other products by 2-3 times their life-cycle as a minimum, which makes this a safe investment to bet on.

The PQ & LTK60/NQ3 Core Guide sizes are both unique sizes on the market, manufactured by us specially for customers drilling those core diameters. The PQ broken core guide, being an 85mm core, has a larger overall width, so this can only be used in conjunction with a Corewise Auto Coresaw that has a 110mm feed-in channel. The Almonte Coresaw feed-in channel is only 90mm, so won't accommodate this fully enclosed plastic broken core guide. The LTK60/NQ3 Guide will fit LTK60 (44mm) Core and NQ3 (45.1mm) Core in the same Core Carrier due to the sizing being so similar.

For the more competent core, it may be possible to use the V-Core Holder. The V-Core Holder can also be used to cut competent PQ Core on an Almonte Coresaw, but if you are drilling a reasonable amount of PQ we'd highly recommend trialing the Corewise saw with our Broken Core Guides for an extra level of safety, which you can trial on your site before you commit to purchase!

Code	Available sizes	Unit	Ctn Qty
AUTVCGP-N	Plastic V-Core Guide HQ/NQ/NQ2	EACH	1
BKNCGP-H	Plastic Broken Core Guide - HQ (63.5mm)	EACH	1
BKNCGP-LT	Plastic Broken Core Guide - LTK60/NQ3 (45.1mm)	EACH	1
BKNCGP-N	Plastic Broken Core Guide - NQ (47.6mm)	EACH	1
BKNCGP-N2	Plastic Broken Core Guide - NQ2 (50.7mm)	EACH	1
BKNCGP-P	Plastic Broken Core Guide - PQ (85 mm)	EACH	1

# **World's Most Advanced Technology Maximum Efficiency Safety That's Second to None**

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## **About Dynamic G-Ex**

Dynamics G-Ex is an Australian geology supply store and mining equipment manufacturer carrying leading-edge brands including Corewise. We have one simple belief, that mining professionals, Geologists, Fieldies, and Core Shed personnel should spend more time in the field doing what they love, and less time behind their desks.

For as long as we can remember the great predicament our mining professionals have had, is that highly trained, specialist individuals are spending hours a day doing stuff they've been roped into which they neither love or gain fulfilment from. Life should be easier.

**Want more information? Ready to order?  
Get in touch with us!**

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