

**BUY BERNHARD.
GET THE EDGE.**



BERNHARD



TURF HEALTH SOLUTIONS | BERNHARD.CO.UK



- 1999
Purchase of
Atterton & Ellis
- 2008
Queen's Award for
Enterprise
- 2009
Opening of new
Head Office in Rugby
- 2012
Opening of new
factory in Haverhill
- 2015
New partnership
with SubAir Systems
- 2019
Launch of
Bernhard Academy
- 2022
20th running of
BIGGA Delegation

BERNHARD AND COMPANY'S CONSIDERABLE KNOWLEDGE AND UNDERSTANDING OF TURF AND ITS HORTICULTURAL REQUIREMENTS STEMS FROM A LONG, IMMERSED HISTORY IN THE SECTOR.

Stephen Bernhard, founder of Bernhard and Company, developed a special interest in the technical issues surrounding the mowing of turf. In particular, this included the critical effect that reel grinding techniques had on mower performance, maintenance time and costs and on the quality of turf that resulted from alternative approaches.



I feel incredibly proud when someone tells me that they have seen a considerable improvement in mower performance since using the Bernhard system. The fact that they can visibly see the results of cleanly cut grass, the improved health of every blade, and that in turn their customers comment on consistent ball roll and improved playing surfaces, is proof of our commitment to turf health worldwide.

Our customers have reason to be proud too. Thanks to Bernhard's expertise and round the clock support they are guaranteed exceptional playing surfaces all year round.

This guarantee is built on over 150 years of grinding and turf health experience. All coming together to help you create world class greens and pitches. Bernhard's philosophy continues to drive us forward and it goes some way to explaining why thousands of loyal customers all around the world – including over 65 of the world's top 100 golf courses – believe it must be Bernhard.

STEPHEN BERNHARD
CHAIRMAN



BERNHARD



VIEW THE CASE STUDY

"If you have a quality piece of equipment that you're using to mow your grass and you're properly maintaining that equipment, for example the reels, you're less likely to cause significant stress to the turf. This will make it more competitive against weeds, insects and diseases, but also more tolerant of other environmental stresses such as not enough precipitation."

David Gardner – Professor of Turfgrass Science, Ohio State University

TURF HEALTH.



OUR EXPERTISE EXTENDS BEYOND THE PRODUCT WITH OUR IN-DEPTH KNOWLEDGE OF BOTH ENGINEERING AND AGRONOMY.

WHY GRIND?

Mowers can tear grass, leaving uneven and poorly cut blade tips. These ripped blades of grass will lose moisture and nutrients and be vulnerable to disease from spores. A bedknife gathers the grass and holds it in position for the reel blade to cut the grass evenly. The reel must be maintained and sharpened regularly to remain parallel and sharp.

ZERO CONTACT

A no-contact setup allows the sharp bedknife and reel to gather and cut the grass without any friction. An untrained operator would tend to tighten the cutting unit, bringing the reel and bedknife into contact with each other to try to improve the cut. This process prematurely wears away the bedknife angle and closes the ejection gap.



LITTLE AND OFTEN

Surgically sharp mower blades slice cleanly through grass blades, severing the tissue cleanly with minimal damage. Evenly cut blades both improve definition and allow for a smoother and consistent roll of a ball. Regular sharpening of both the bedknife and the reel is essential to produce smooth, true and playable surfaces.



TOURNAMENT SUPPORT.

WE ARE PROUD TO BE ASSOCIATED WITH THE MOST PRESTIGIOUS GOLF CLUBS AND FACILITIES AROUND THE WORLD.

Our teams support the PGA Tour, DP World Tour and the Asian Tour by providing specialist tournament support for high profile competitions, such as the US Open, The Open and Ryder Cup. We also support other major sporting events such as the Qatar World Cup in 2022.



VIEW THE CASE STUDY

"Everybody aspires to run tournament events. The standard that the players demand is ever changing. What we try to do here at the Belfry is that every time the tour players come, they experience a different golf course and we have had tournaments now over the last four years. It gives us an opportunity to make changes."

Angus Macleod – Director of Golf Courses and Estates, The Belfry Hotel & Resort



VIEW THE CASE STUDY

"We've recently undertaken a heathland restoration programme and bunker upgrade, and we've also built a new clubhouse over the last two years. So, Coxmoor has gone from standing quite still, to making big progressions. We're moving forward and attracting more interest."

Ben Cumberland – Golf Course Manager, Coxmoor Golf Club

INCREASED REVENUE.



CONSISTENTLY SHARP CUTTING UNITS ALLOW TURF PROFESSIONALS TO DELIVER PERFECT PLAYING SURFACES YEAR-ROUND. OUR GRINDING MACHINERY IS PROVEN TO PROVIDE THE EDGE WHEN IT COMES TO INCREASING FOOTFALL AND GROWING MEMBERSHIP.

QUALITY = INCREASED REVENUE

Owning a set of Bernhard and Company grinding machines will put you on a fast-track to achieving the best possible turf quality at your venue.



VIEW THE CASE STUDY

"Our in-house grinders came in probably about 15 years ago. We would always send everything out. In the old days, we'd have a lot of bruising and crushing. We used to top dress a lot, so the cut wasn't that great. Once we started using the Bernhard grinders, we became big fans of the no-contact."

Bob Becker – Superintendent, Scioto Country Club

PROTECT YOUR INVESTMENT.

WE UNDERSTAND THE IMPORTANCE OF RETURN ON INVESTMENT. WHETHER THAT'S MACHINERY OR PEOPLE, BOTH ARE AT THE HEART OF THE BUSINESS. OUR AIM IS TO PROVIDE LONG-TERM SOLUTIONS, NOT QUICK FIXES.

EFFICIENCY

Time saving – owning your own grinders means no machine downtime. The speed at which our machines sharpen mowers also allows you to focus on other tasks.

Less use of chemicals – with healthier turf, less chemicals will be required on your course – great for the environment and your budget control.

Save on fuel – mowers work more efficiently if the blades are more regularly sharpened.

WARRANTY

Our grinding machinery comes with a 10-year limited warranty, so you can be assured we provide premium quality products that are built to a high standard.

COST OF OWNERSHIP

Our machines are built to last. Other than regular maintenance, they require very little extra to function perfectly. The Express Dual and Anglemaster are renowned for retaining their residual value, making cost of ownership more economical.



VIEW THE CASE STUDY

"Bernhard's customer service is impeccable. The staff know the products inside out. If we ever encounter an issue, it's a simple call, and they understand precisely what we need."

Todd Voss – Chief Operating Officer, Double Eagle Club

CUSTOMER
CARE.



WE KNOW THAT THE BEST WAY TO LEARN AND IMPROVE OUR PRODUCTS IS TO VISIT AND LISTEN TO OUR CUSTOMERS.

EXPERTISE

We are proud to serve our customers. Our industry experts have a wealth of experience to offer you product support or technical assistance.

SPEED

We understand the importance of downtime in turf management and endeavor to keep you working as efficiently as possible. We are also renowned for our prompt customer service.

LOYALTY

The Bernhard Users Club is a loyalty programme offered to all customers. It is completely free to join and members receive 10% off all new parts in addition to other benefits.



GLOBAL REACH.

HIGHLY TRAINED LOCAL DISTRIBUTORS AND SERVICE PROFESSIONALS DELIVER RAPID SERVICING SOLUTIONS AROUND THE GLOBE.

We strive to ensure that the level of service you receive is exceptional and bespoke to your needs.

CLIMATE AND CULTURE

We understand that around the world there are varied climates and cultures that bring with them differing requirements for product and services.

ASSOCIATIONS

We continue to support our partners, professional greenkeeping / superintendent associations and other professional bodies.



RESEARCH AND DEVELOPMENT.

THROUGH CONTINUED SUPPORT, EDUCATIONAL PROGRAMMES, RESEARCH AND DEVELOPMENT, OUR MISSION IS TO ENHANCE OUR UNDERSTANDING OF THE RELATIONSHIP BETWEEN SUSTAINABILITY, CONSERVATION AND A PROFESSIONALLY MANAGED MAINTENANCE DEPARTMENT.

- 1887-89**
Our first patent
- 1931**
First CR Spin grinder
- 1963**
First Anglemaster machine
- 1966**
First Dual Spin grinder
- 1971**
First Express Dual
- 2000**
Dualmaster and Express Dual 4000 and 5000 launched
- 2000**
First automatic rotary blade grinder launched
- 2019**
Launch of Express Dual 5500 and Anglemaster 4500



VIEW THE CASE STUDY

"The Bernhard Academy educational days, for me, have reignited my passion... It's given me that little spark to head back to my place of work and really add to my team and to the work I do on a daily basis."

Lee Sayers – Golf Course Manager, London Golf Club

EDUCATION.

150 YEARS

It's our long-standing belief that giving back to the industry that we love is one of our most important responsibilities. We will continue to promote and explore cutting practices and grass health, while also investigating financial, environmental and performance implications.

INDUSTRY SUPPORT

We have worked alongside major mower manufacturers and associations for many years. A common goal has been identified – to produce the best possible turf conditions for the most economic investment.

BERNHARD ACADEMY

The Bernhard Academy first launched in 2019. The Bernhard Academy courses and workshops aim to bring those who operate within the turf industry the latest and most relevant information on agronomy, technical skills and management and career development.

www.bernhardacademy.co.uk



REEL GRINDERS.

OUR INDUSTRY-LEADING REEL GRINDERS HAVE BEEN DESIGNED WITH MAXIMUM EFFICIENCY AND EASE-OF-USE IN MIND. THE LATEST TECHNOLOGY PROVIDES AN ULTRA-PRECISE GRIND TO ENSURE MOWER REELS CAN DELIVER THE PERFECT CUTTING ACTION.

Renowned for combining superb grind quality with unmatched speed, ease of use, reliability and longevity, Express Dual can be found in hundreds of top golf and sports turf facilities worldwide.

The unique auto-cut eliminates the need for lapping and extra relief, thereby dramatically reducing maintenance costs.

- World's fastest and most accurate reel grinders.
- Mowers sharpened in-situ, no need to remove bedknives or rollers.
- Intuitive in-feed balance display to ensure parallel grind.
- Fast floor to floor turnaround (greens units: 5 minutes, fairway units: 15 minutes).
- With health and safety in mind each machine is fitted with guards and safety interlocks as standard.

WITH NUMEROUS PRODUCT OPTIONS AVAILABLE, WE HAVE A SOLUTION THAT IS SURE TO FIT YOUR EXACT REQUIREMENTS.



REEL GRINDERS

	EXPRESS DUAL 2000	EXPRESS DUAL 3000MC	DUAL MASTER 3000iR	EXPRESS DUAL 4100	EXPRESS DUAL 4300	EXPRESS DUAL 5500
REEL DRIVE	Simple Direct drive Auto-locking Drive Adaptors	Flexible Auto-locking Drive Adaptors	Simple Direct drive Auto-locking Drive Adaptors	Flexible Auto-locking Drive Adaptors	Flexible Auto-locking Drive Adaptors	Direct drive Auto-locking Drive Adaptors
VARIABLE SPEED	—	—	●	●	●	●
IN-SITU GRINDING	●	●	●	●	●	●
CONTROL SYSTEM	Simple	Simple	Simple	Advanced	Advanced Touch-screen	Advanced Touch-screen
PROGRAMME RECALL	—	—	—	—	Multiple programmes / Multiple Users	Multiple programmes / Multiple Users

THE EXPRESS DUAL 2000 OFFERS THE SPEED, ACCURACY AND PERFORMANCE OF THE FAMOUS EXPRESS DUAL SYSTEM AT A COMPETITIVE PRICE.

When the Express Dual 2000 is used in tandem with the Anglemaster 1000 bedknife grinder, these affordable machines provide a complete in-house facility for the grinding of reel mowers at high speed and at minimum cost.

EXPRESS DUAL 2000

ULTIMATE SIMPLICITY.



“

In 2012, we ended up changing to Bernhard and Company and we haven't looked back since. The ease of grinding and how many units we can turnout, no other grinder can compare to it to me.

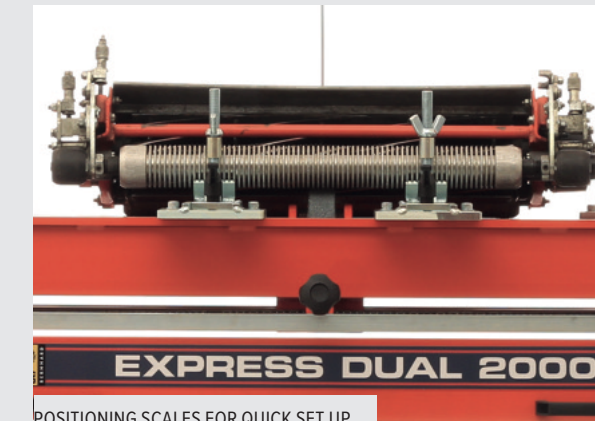
ADAM WHITE – EQUIPMENT CONSULTANT



SIMPLE TO USE CONTROL PANEL



SIMPLE REEL DRIVE SYSTEM



POSITIONING SCALES FOR QUICK SET UP

MECHANICAL

Rigid, torsionally robust chassis.

Automatic Traverse.

OPERATIONAL

Fast turnaround (Greens unit: from as little as five minutes Fairway unit: 15 minutes floor-to-floor).

Simple controls panel.

Safe, self-aligning, torqued controls.

ERGONOMICS

Simple and effective safety guard.

OPTIONAL EXTRAS

Express lift table.

WITH EASY TO USE ELECTRICAL AND MECHANICAL CONTROL SYSTEMS, THE EXPRESS DUAL 3000MC IS DESIGNED TO MEET YOUR NEEDS.

Features an electric clamping system making mower mounting and reel grinding both easy and fast – greens mowers can be ground in as little as five minutes. The simple feed system with digital display ensures accurate reel blade grinding every time.

EXPRESS DUAL 3000MC

PREMIER PERFORMANCE. COMPETITIVE PRICE.



“

There's a lot of ways of saving money when you own grinders, It's not just the maintenance bill, it's the whole way that you are able to look after your machines you can see things happening before your eyes.

**STUART IMENSON – GENERAL MANAGER,
DUNSTANBURGH CASTLE GOLF COURSE (LINKS)**



ELECTRONIC CLAMP



DIGITAL FEED COUNTERS WHICH ALLOWS YOU TO RESET



EXPRESS LIFT TABLE COMES AS STANDARD

MECHANICAL

Rigid, torsionally robust chassis.

Automatic Traverse.

Electronic clamp.

Flexible reel drive.

OPERATIONAL

Fast turnaround (Greens unit: from as little as five minutes Fairway unit: 15 minutes floor-to-floor).

Digital feed counters which allows you to reset.

Simple controls panel.

Single switch control.

Safe, self-aligning, torqued controls.

ERGONOMICS

Express lift table comes as standard.

Simple and effective safety guard.

OPTIONAL EXTRAS

Express Relief.

THE WORLD'S MOST POPULAR REEL GRINDER.
THE EXPRESS DUAL 4100 PROVIDES THE SPEED,
EASE OF USE AND ACCURACY REQUIRED TO
DELIVER WORLD-CLASS PLAYING SURFACES.

EXPRESS DUAL 4100

ULTIMATE EASE OF USE. HIGH SPEED.



WATCH THE DEMO 



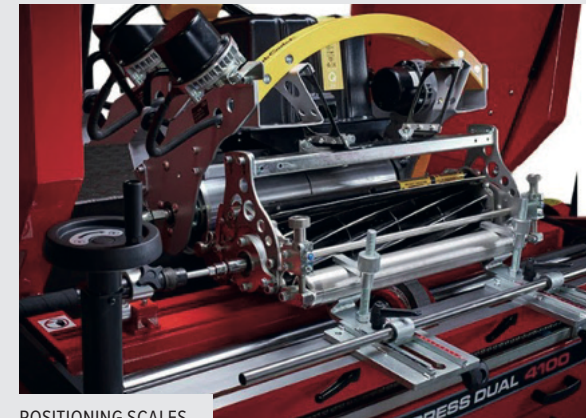
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We've noticed a great change in our quality of cut across the board. Just from an ease of usage and quality of cut. We've been thrilled with both our 4100 series grinders.

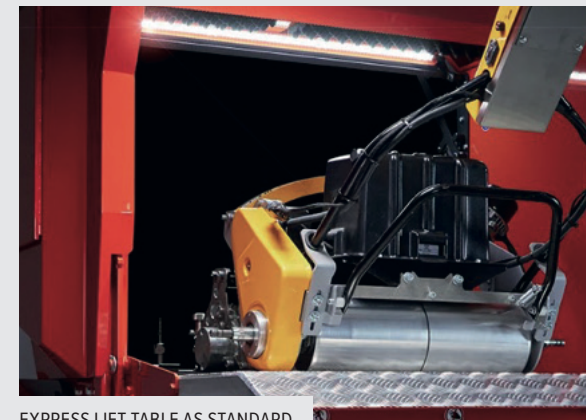
DAN GROGAN – GOLF COURSE
SUPERINTENDENT, SAGAMORE CLUB



VARIABLE REEL SPEED FUNCTION



POSITIONING SCALES



EXPRESS LIFT TABLE AS STANDARD

MECHANICAL

Variable reel speed function to adjust speed on demand for consistent results.

Dual, independent, sprung-loaded vertical feed columns for control.

Adaptable control system with in-feed balance displays.

Reel auto-locking drive rod and adaptors.

V-mounting brackets for ultra-fast setup with improved positioning scales ensuring parallel and accurate grind across the entire reel.

OPERATIONAL

Table top design enables rapid and easy loading of cutting units.

Intuitive control panel for consistent operation.

ERGONOMICS

LED lighting.

Express lift table as standard.

Scratch resistant viewing panel.

OPTIONAL EXTRAS

Express Relief.

Dust extraction.

AUTOMATED EXPRESS DUAL 4300 PROVIDES SPEED AND EASE OF USE. WITH ADVANCED AUTOMATION IT DELIVERS RAPID, SAFE AND ACCURATE GRINDING.

EXPRESS DUAL 4300

ADVANCED AUTOMATION AND PRECISION.



WATCH THE DEMO



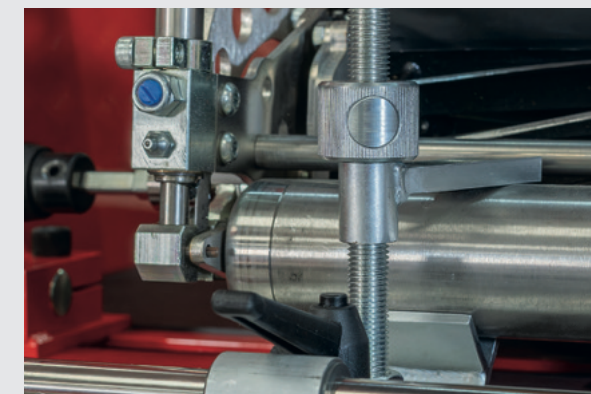
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It's so much quicker working with a Bernhard grinder than other companies. It saves me time when I can sharpen a whole mower in a few hours it could take me a couple of days to sharpen a whole mower using a different product.

**GARY PEARCE – HEAD MECHANIC
GREENKEEPER, HILLSIDE GOLF CLUB**



NEW REEL DRIVE AUTO-LOCKING DRIVE ROD AND ADAPTORS



POSITIONING SCALES TO ENSURE REEL LINES UP CORRECTLY



SET UP AUTOMATIC GRINDING PROGRAMS

MECHANICAL

Dual, independent, sprung-loaded vertical feed columns for control.

Reel drive auto-locking drive rod and adaptors.

Variable speed drive motor.

OPERATIONAL

Set up and recall of automatic grinding programmes.

Manual and automatic mode options.

Premium positioning scales for ultra-fast and accurate setup every time.

ERGONOMICS

Express lift table as standard.

LED lighting.

Built-in dust extraction.

Scratch resistant viewing panel.

OPTIONAL EXTRAS

Express Relief.

THE EXPRESS DUAL 5500 IS THE WORLD'S FASTEST AND MOST INNOVATIVE REEL GRINDING SYSTEM.

Instant operator access with Wi-Fi connectivity – no matter where you are in the world.

EXPRESS DUAL 5500

ULTIMATE CONTROL. ULTIMATE ACCURACY.



WATCH THE DEMO 

“

We want to minimise the downtime we have on machines, to have them back up and running. When we wanted to make a selection on what product we wanted to choose there's three things we considered – price, product and service.

KURT STROTHER – DIRECTOR OF AGRONOMY, EAGLE RIDGE RESORT AND SPA



WIRELESS HANDSET FOR EASE OF USE



RFID TECHNOLOGY FOR RECALL OF PROGRAMMES AND ACCESS USER PREFERENCES



DIRECT REEL DRIVE WITH SUPERFAST SET UP

MECHANICAL

The unique reel surveying tool allows for correction and high precision reel conditioning.

Smart motors provides variable speed.

Dual, independent, sprung-loaded vertical feed columns for control.

Powerful motor with smooth directional change.

OPERATIONAL

RFID allows user preferences and programmes to be saved on contactless card.

Wifi connected for remote, expert assistance, scheduled support and customer training.

With a simple touch of a button, you can reach out to our customer support team from anywhere in the world.

Interface guides you through grinding process, step by step.

Remote handset for additional control without need to revert to touchscreen.

No need to remove bedknives or rollers.

ERGONOMICS

Responsive, wide touchscreen control.

Acoustic noise suppression with environmental control.

Fully enclosed cabinet.

Built-in dust extraction.

LED lighting.

OPTIONAL EXTRAS

Express Relief with stand-alone leg set.

BUILDING ON THE TECHNICAL FOUNDATIONS OF THE RENOWNED EXPRESS DUAL AND ANGLEMASTER SYSTEMS, THE DUAL MASTER 3000iR INCORPORATES AUTO-INDEXING RELIEF TO DELIVER FAST, EASY AND ACCURATE SPIN AND RELIEF GRINDING.

With the ability to change between spin and relief grinding in less than 60 seconds, the Dual Master 3000iR can save time in the workshop leaving you free for other duties.

DUAL MASTER 3000iR

SIMPLE SPIN AND RELIEF GRINDING.



“

It took us a while to understand there was a philosophy change, a different style of grind. Training the mechanic and other staff to make sure they understood it and at the end of the day we're very happy with the change.

**TOD VOSS – CHIEF OPERATING OFFICER,
DOUBLE EAGLE**



VARIABLE SPEED AUTO TRAVERSE SYSTEM



SIMPLE CONTROL PANEL

MECHANICAL

Variable speed reel drive system for smooth directional changes.

Independent end feed alignment.

Single point in-feed advance.

OPERATIONAL

Rapid stone change.

Auto-indexing system delivers efficient, accurate relief grinding.

Unique angle finders.

ERGONOMICS

Hoist fitted as standard.

Guarding with task light.

OPTIONAL EXTRAS

Express lift table.

BEDKNIFE GRINDERS.

OUR INDUSTRY-LEADING BEDKNIFE GRINDERS HAVE BEEN DESIGNED WITH MAXIMUM EFFICIENCY AND EASE-OF-USE IN MIND. LATEST TECHNOLOGY PROVIDES AN ULTRA-PRECISE GRIND TO ENSURE THAT MOWER BEDKNIVES CAN DELIVER THE PERFECT CUTTING ACTION.

The bedknife is the most important part of any cutting unit, as it gathers and holds the grass in position until the reel blade cuts it. Properly grinding the top and front faces of a bedknife is crucial to maintaining sharpness.

- Simple to set up and use for consistent results.
- Grinds hardened bedknives with ease.
- Unique bedknife angle indicators to position bedknives at any desired angle.
- Stress-free grind makes the bedknife work better with cutting unit.
- Heavy-duty robust construction to prevent flexing.
- Fitted with fully functional enclosures and interlocks as standard.

WITH NUMEROUS PRODUCT OPTIONS AVAILABLE, WE HAVE A SOLUTION THAT IS SURE TO FIT YOUR EXACT REQUIREMENTS.

	 ANGLEMASTER 1000	 ANGLEMASTER 3000MC	 ANGLEMASTER 4100	 ANGLEMASTER 4500
BEDKNIFE GRINDERS				
TRAVERSE	Manual	Automatic	Automatic Variable	Automatic Variable
VARIABLE MOTOR SPEED	—	—	●	●
BLADE MOUNTING BAR	Bracket and Pins	Bracket and Pins	Bracket, Pins and Electromagnets	Bracket, Pins and Electromagnets
CONTROL SYSTEM	Simple	Simple	Advanced	Adaptable Advanced Touch-Screen
GRINDING PROGRAMME	—	—	—	RFID

THE ANGLEMASTER 1000 OFFERS MARKET-LEADING SIMPLICITY, EFFICIENCY AND ACCURACY.

When paired with the Express Dual 2000 reel grinder, the Anglemaster 1000 completes an ideal in-house grinding setup.

ANGLEMASTER 1000

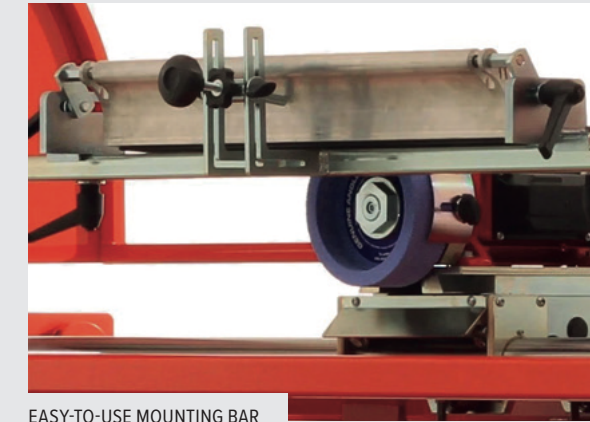
HIGH ACCURACY. EASY TO OPERATE.



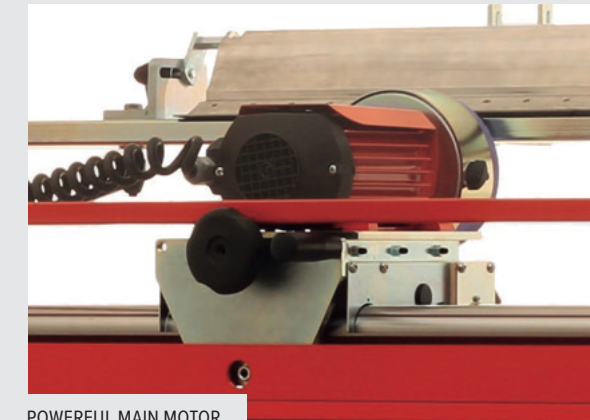
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The after sales care that we get from Bernhard and Company is second to none. The relationship you build with people and not just the machine itself, the people behind it are what you buy into.

ADAM WHITE – EQUIPMENT CONSULTANT



EASY-TO-USE MOUNTING BAR



POWERFUL MAIN MOTOR

MECHANICAL

Fast cycle time.

Fast change over time.

Simple set up process.

User-friendly.

OPERATIONAL

With an efficient set up time and easy changeover between blades, this machine provides the complete in-house solution for grinding bedknives.

Grinds bedknives up to 40" long.

Angle finder.

ERGONOMICS

Ergonomic design for operator safety.

Compact structure with small footprint.

THE ANGLEMASTER 3000MC BEDKNIFE GRINDER OFFERS SPEED AND SIMPLICITY, WITH MECHANICAL CONTROLS AND A HIGH SPECIFICATION, ALL AT AN ATTRACTIVE PRICE POINT.

Independent end-feed paralleling and a single point advance, making this a simple to use bedknife grinder.

ANGLEMASTER 3000MC

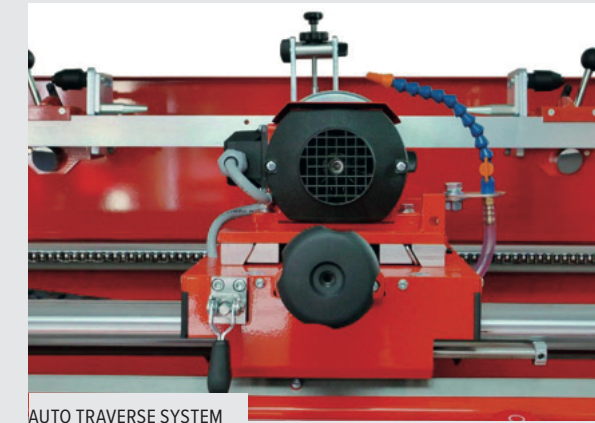
HIGHLY ACCURATE. SIMPLE TO OPERATE. ULTIMATE SPEED.



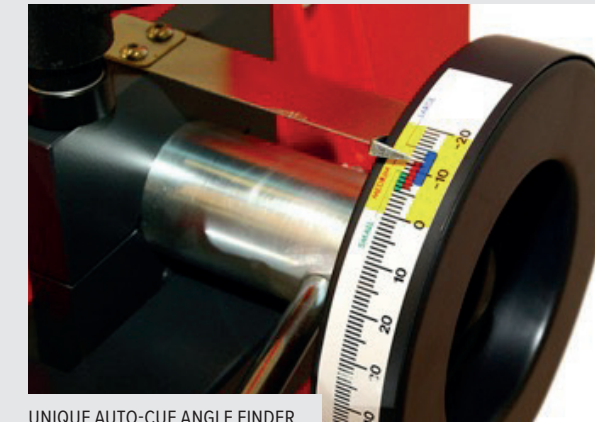
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Getting your own set of grinders is as important as buying the latest greens mower, they're not going to perform if they're not sharp.

**CHRIS BALL – COURSE MANAGER,
HILLSIDE GOLF CLUB**



AUTO TRAVERSE SYSTEM



UNIQUE AUTO-CUE ANGLE FINDER

MECHANICAL

Grinds to within 0.001".

Can grind bedknives up to 40" long.

OPERATIONAL

Auto traverse system allows for smooth direction changes with a three-button control system, delivering an effortless grind, no matter the user's level of experience.

Unique auto-cue angle finder to help set desired grinding angles. The heavy duty mounting bar makes the set up process quick and easy.

Fast cycle time.

Fast change over time.

Simple to set up process.

Automatic traverse system.

User-friendly.

Coolant dispersal and debris separation as standard.

ERGONOMICS

Safety guarding.

THE WORLD'S MOST POPULAR BEDKNIFE GRINDER.

The Anglemaster 4100 provides users with increased flexibility and control over grinding practices. This machine is designed to work with both CBN and ceramic stones.

ANGLEMASTER 4100

ENHANCED CONTROL. LIGHTNING SPEED.



WATCH THE DEMO 



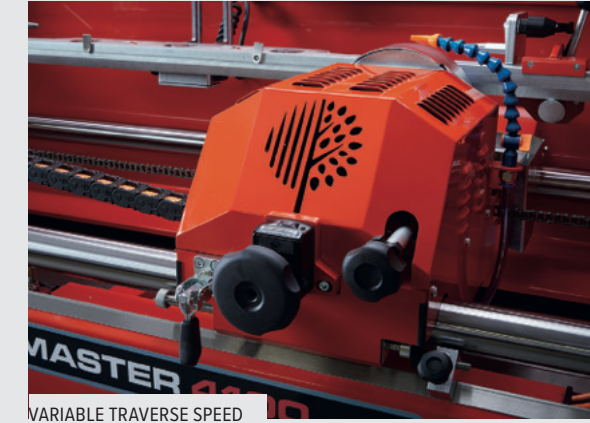
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The benefit to us is firstly being able to constantly monitor mowers, check the quality of cut and address any imperfections and make lots of small adjustments.

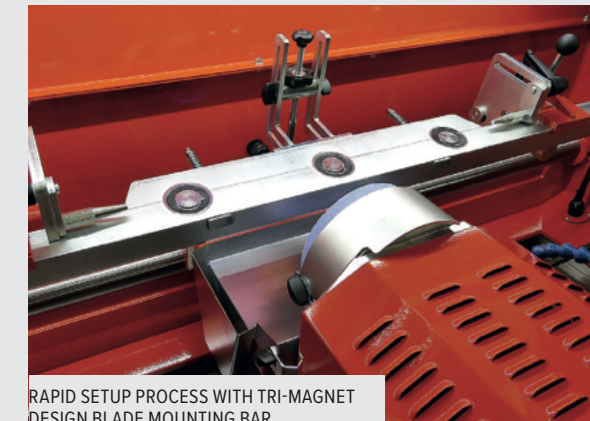
**PETER TODD – ESTATES MANAGER AND BOARD
DIRECTOR, ROYAL NORWICH GOLF CLUB**



EASY TO USE CONTROL PANEL WITH DIGITAL ANGLE FINDER



VARIABLE TRAVERSE SPEED



RAPID SETUP PROCESS WITH TRI-MAGNET
DESIGN BLADE MOUNTING BAR

MECHANICAL

Enhanced bar profile to accommodate wider range of front face angles.

Run CBN and ceramic grinding stones at manufacturers recommended speeds.

Variable grind motor speed.

Variable traverse motor.

OPERATIONAL

Variable traverse speed gives users ultimate control over their grinding practices, helping to cope with ever-changing bedknife materials.

Rapid setup process with tri-magnet blade mounting bar. Once activated, magnets hold bedknife in place for easy alignment. Can be switched on or off during the grinding process.

Adaptable control system.

ERGONOMICS

LED lighting for increased visibility.

Scratch resistant viewing panel.

Robust soft-closing storage drawers.

OPTIONAL EXTRAS

Auto infeed.

Guard assembly for larger bedknife carriers.

THE ANGLEMASTER 4500 IS A FULLY AUTOMATED AND CUSTOMISABLE BEDKNIFE SHARPENING SOLUTION.

This machine has the ability to adapt to the users' needs, ensuring the top and front faces of the bedknife are sharp, to create the highest quality of cut.

ANGLEMASTER 4500

OUTSTANDING CONTROL. ULTIMATE PRECISION.



WATCH THE DEMO 



“

We moved from a competitor and we've had a huge success with Bernhard grinders since then. The technology that Bernhard provide is obviously a lot greater than our old grinders.

**COLIN FENBY – SUPERINTENDENT,
SCIOTO RESERVE COUNTRY CLUB**



VARIABLE SPEED GRIND WHEEL MOTOR OFFERS CONTROL FOR MAXIMUM ADJUSTABILITY



FIRST-CLASS CUSTOMER SERVICE AND CARE



SAVE SETTINGS ONTO A CONTACTLESS CARD USING RFID TECHNOLOGY

MECHANICAL

Grind wheel motor offering variable speeds.

Direct drive with precise mounting bar rotation accurate to 0.5°.

Tri-magnet blade mounting bar.

Automatic in-feed.

Automatic variable speed traverse system.

OPERATIONAL

7.5" touchscreen with intuitive and responsive interface.

RFID technology for recall of previous setups and user profiles.

Wireless handset for operator flexibility.

With a simple touch of a button, you can reach out to our support team from anywhere in the world.

ERGONOMICS

LED lighting for improved visibility.

OPTIONAL EXTRAS

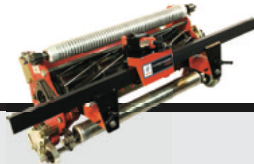
Guard assembly for larger bedknife carriers.

ADDITIONAL MACHINERY AND ACCESSORIES.

WE HAVE A RANGE OF ADDITIONAL MACHINES AND ACCESSORIES DESIGNED TO MAKE YOUR MAINTENANCE PROGRAMME WORK AS EFFICIENTLY AS POSSIBLE.

- A sharp mower is a key factor in keeping the plant healthy – our small machines, accessories and parts can help.
- A good starting point would be ensuring that your cutting units operate at the same height of cut, and leave smooth and clean edges. Also, that your mower sharpening equipment is ready to help maintain that cutting edge.

FROM GRINDING TO MEASURING AND ANALYSING, OUR RANGE OF ACCESSORIES
AND TOOLS CAN BE CRUCIAL IN ACHIEVING THE PERFECT CUT.

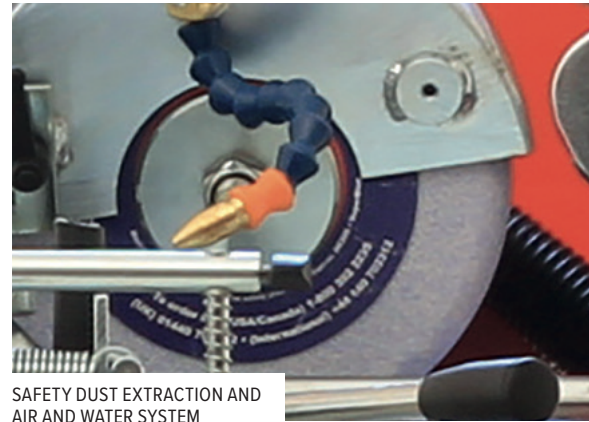
					
	ROTAMASTER 4000	EXPRESS RELIEF	RAPID FACER 1000	TURF EVALUATION KIT	HEIGHT OF CUT GAUGES
ADDITIONAL MACHINERY AND ACCESSORIES	Rotary Blade Sharpener Rotamaster ensures both ends of the rotary blade are sharpened equally with the precision only an automated machine can deliver.	Reel Relief Grinder Express Relief is a fast, compact and cost effective solution for adding relief to reels, combined with Express Dual or standalone.	Bedknife Front Face Grinder The Rapid Facer 1000 is a fast, easy to use maintenance tool, designed to quickly restore the front face of bedknives.	Turf Health The Turf Evaluation Kit includes a Macroscopic and Prism Gauge packaged together in a hard-wearing and waterproof protective case.	Precision Analysis Accurate to 0.001" (0.025mm) the gauge measures to the ground surface of the bedknife ensuring the correct cutting reference.

THE ROTAMASTER 4000 ENSURES BOTH ENDS OF THE ROTARY BLADE ARE SHARPENED WITH AUTOMATED PRECISION. IT DELIVERS A SUPERIOR EDGE WITH CONSISTENT BALANCE FOR A BETTER QUALITY CUT. THE RESULT IS LONGER LASTING BLADES AND BETTER LOOKING GRASS.

With a clamp mechanism and fast-aligning jig bars, blade mounting is quick and easy, improving overall cycle time.

ROTAMASTER 4000

ROTARY BLADE SHARPENING MADE EASY.



SAFETY DUST EXTRACTION AND AIR AND WATER SYSTEM



AUTOMATED, INDEXED IN-FEED WITH ADJUSTABLE 'AUTO-CUT OFF'



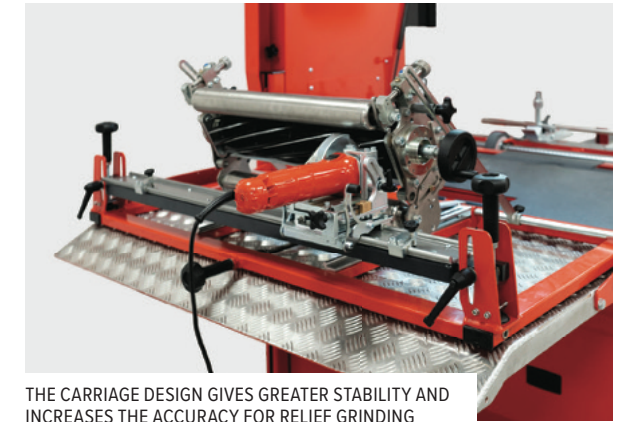
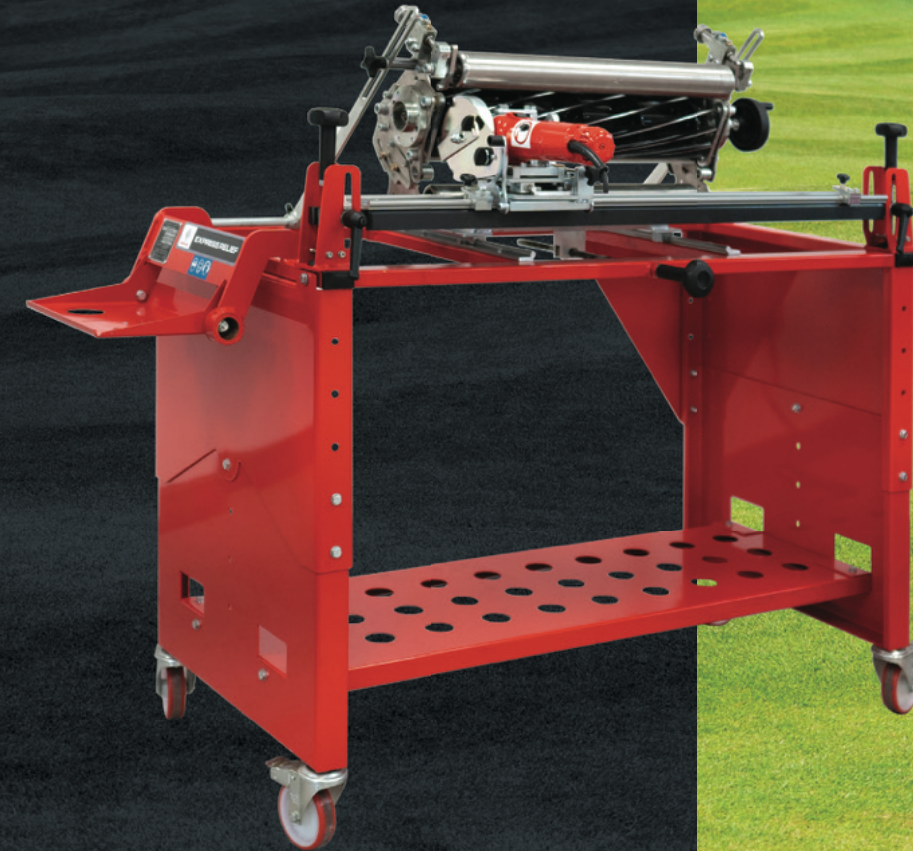
CLAMP MECHANISM AND FAST-ALIGNING JIG BARS

WORKING IN COMBINATION WITH THE EXPRESS DUAL RANGE, THE EXPRESS RELIEF IS A FAST, COMPACT AND COST EFFECTIVE SOLUTION FOR ADDING RELIEF TO REELS.

The Express Relief can be attached to our Express lift table using the quick clamp mechanism. It can also be used independently by attaching it to the optional stand-alone leg set.

EXPRESS RELIEF

FAST, COMPACT AND COST EFFECTIVE.



THE CARRIAGE DESIGN GIVES GREATER STABILITY AND INCREASES THE ACCURACY FOR RELIEF GRINDING



IDEAL FOR THOSE WHO WANT TO DO A RELIEF GRIND WITHOUT COMPROMISING ON THE LEGENDARY SPEED AND EASE OF USE OF THE EXPRESS DUAL REEL GRINDER

RAPID FACER 1000

UNIQUE. PRECISE. FAST.

THE RAPID FACER 1000 IS A FAST, EASY TO USE MAINTENANCE TOOL DESIGNED TO QUICKLY RESTORE THE FRONT FACE OF BEDKNIVES.

The unique design has the ability to deliver a precise face on a bedknife in just 90 seconds, enabling mowers to spend more time on the course than in the workshop. The Rapid Facer can be used independently or in harmony with the Express Dual range, offering the perfect spin face programme in between full re-grinds.



HEIGHT OF CUT GAUGE

ESSENTIAL WORKSHOP TOOL FOR PRECISION BENCH SETTING THE HEIGHT OF CUT OF MOWER UNITS. IT IS USED IN CONJUNCTION WITH THE PRISM GAUGE TO SET, MONITOR AND CONTROL THE HEIGHT OF CUT.

Accurate to 0.001" (0.025mm) the gauge measures to the ground surface of the bedknife ensuring the correct cutting reference.



AVAILABLE IN BOTH DIGITAL AND ANALOGUE

THE TURF EVALUATION KIT INCLUDES A MACROSCOPE AND PRISM GAUGE – ESSENTIAL TOOLS FOR ANY TURF MANAGER.

Packaged together in a hard-wearing, waterproof case that allows for safe and convenient storage and transport.

TURF EVALUATION KIT

PRECISION ANALYSIS.



MACROSCOPE

The Macroscopic allows turf professionals to better analyse the quality and health of their turf with a 25x magnified view.

Lightweight and easy to use.

Detailed look at your turf health.

Identify diseases, nutrient issues and other physiological conditions.

PRISM GAUGE

Put science into your cutting practices by monitoring the height of cut with our Prism Gauge.

Accurately determine height of cut.

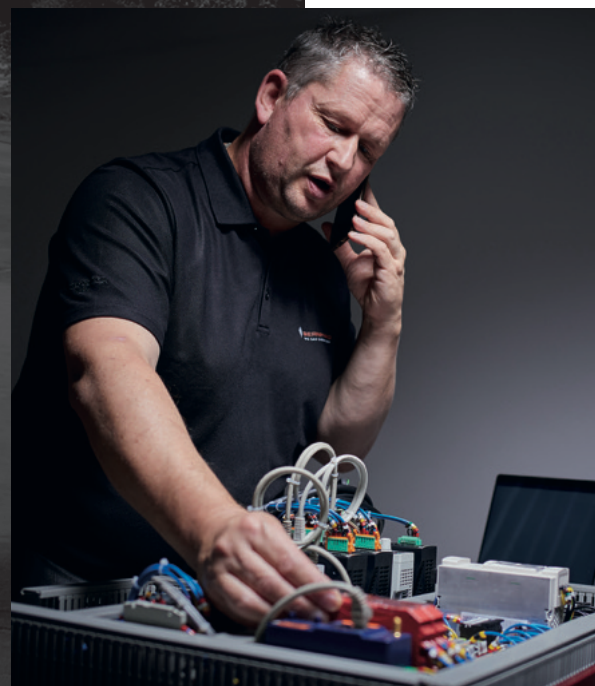
Guarantee consistency of cutting units.

Robust, high quality design.

User-friendly.

Prism Gauge and Macroscopic are available individually.

PARTS AND CUSTOMER SUPPORT.



OUR TEAM TAKES PRIDE IN DELIVERING MORE THAN JUST COMPONENTS – THEY PROVIDE AN UNMATCHED CUSTOMER EXPERIENCE.

Our Customer Care team is committed to understanding your needs through a dedicated global distributor network and delivering expert knowledge. With a wealth of experience and a customer-centric approach, we go the extra mile to exceed expectations.

Reach our customer service experts and global parts centre at:

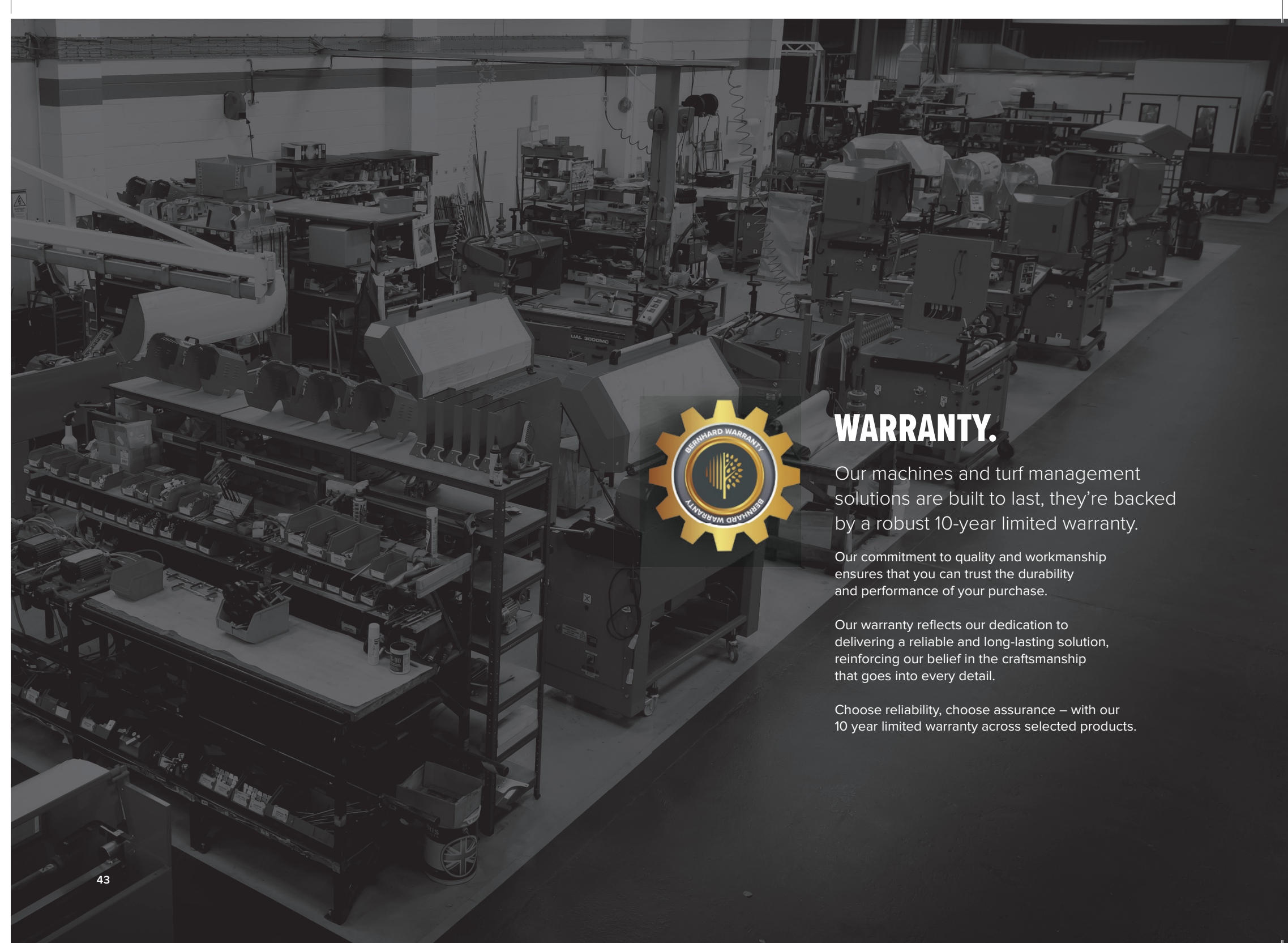
+44 1440 702312
(Worldwide)

1-800 392 2235
(toll-free from North America)

support@bernhard.co.uk
parts@bernhard.co.uk



For outside the UK, to find your distributor scan here.



WARRANTY.

Our machines and turf management solutions are built to last, they're backed by a robust 10-year limited warranty.

Our commitment to quality and workmanship ensures that you can trust the durability and performance of your purchase.

Our warranty reflects our dedication to delivering a reliable and long-lasting solution, reinforcing our belief in the craftsmanship that goes into every detail.

Choose reliability, choose assurance – with our 10 year limited warranty across selected products.

FOR FURTHER INFORMATION CONTACT:

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