Data Pack

Supporting

Patented Shaft Micro Mass Damping Technology for

All Golf Clubs/Shafts

PRO-CORE

Prepared by: Russell Hicks. Date: 26.2.2023

PRO-CORE

Patented Tuned Mass Damping Technology for Golf Clubs/Shafts

Index

Company No: 08501358

1.0 Intro

This document provides data outlining the history of the Pro-Core product it's testing and validation carried out in putters by Sheffield University UK a leading vibration and mechanical dynamics analysis research centre. Plus, testing results using Trackman and testimonial data from both Putter and the very latest Pro-Core Micro Mass Damping version of the product.

2.0 History

David Hicks, innovator of Pro-Core & lifetime golfer, started his career in the golf business in 1995. Initially manufacturing his own custom fitted putters, which were supported by a custom putter fitting tool, that is still today a leading advanced piece of equipment for fitting a putter correctly to a player and used within the UK PGA as part of their standard educational process for club fitting.

David started his working life as a toolmaker in the precision engineering sector, eventually developing his own high level precision engineering business supporting Aerospace, Defence, Formula 1 & Medical sectors. David's keen engineering eye helped identify the dynamics, materials and forces at play and their impact on a player & golf clubs performance.

David had already built his own putting swing robot to analyse the performance of various putters which aided the development of his own brand. Like many putter companies the route to market was difficult, although his products have gained exceptional recognition throughout the UK & Europe, by leading coaches and professionals.

David is highly respected and regarded for his coaching ability within the putting discipline; again placing his keen eye on the player's dynamics and interaction with the equipment he has achieved some commendable results with players across Europe.

3.0 Concept to Product development

Coming up with Pro-Core was not an accident or copy of another idea. Whilst damping has been attempted in various forms over many years David's unique engineering intuition spotted the dynamic of shaft damping at work and he then sought a solution which is complex in its performance, simple in construction, yet highly effective.

4.0 Evolution of Pro-Core "mass damping in Golf shafts"

From Putter 20gram & 50gram variants to the micro 3gram for every shaft in the bag……

Forward: Sheffield University Study which was completed in three parts as described below:

4.1 - Phase 1: study of the vibration effect of Pro-Core in the club using accelerometers and excitation instrumented hammer, with the putter in a free state:

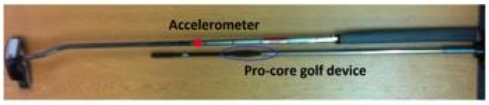


Figure 1: Location of accelerometer on the shaft

Test arrangement

Analogue signals from the sensors were acquired using a PC driven digital oscilloscope operating at 2^{16} samples per second. The signal diagram is shown in Figure 2.

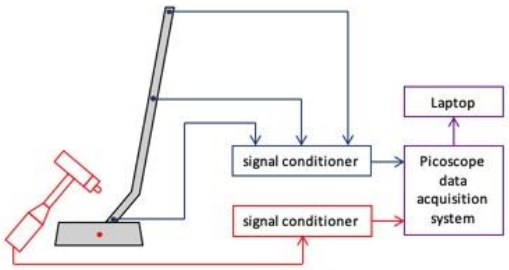


Figure 2: Test set-up

For each configuration, the system was impacted a number of times. In each case, acquisition was triggered by the impact and 2^{15} data points were recorded. Details of the sensors and is given in Table 1 and signal processing parameter given in Table 2.

Table 1: Transducer details

Item	Make / model	Serial number	Units	Value
Hammer force sensor	PCB Type 086C03	23725	N/V	455.8
Mid-shaft accelerometer	Dytran 3032A	3323	m/s² /V	101.4
Grip accelerometer	Dytran 3032A	3326	m/s² /V	103.2
Head accelerometer	Dytran 3224A	1379	m/s² /V	96.4

Figure 1: Putter held in hands

Figure 13 shows the FRF spectra for the Putter 1 (mallet) with and without the Pro-Core devices, for impacts at the central position. Figure 14 shows the same comparison for Putter 2 (blade). In both cases, the trends are like those found previously with the hammer test figure 1. For Putter 1 (mallet), the response curve is noisy, and many resonances are visible. The Pro-Core reduces the level of vibration and natural frequencies in the range 100 to 500 Hz, but some new low-frequency peaks are now noticeable (e.g. near 80Hz 140 Hz and 400Hz). For Putter 2 (blade), a general reduction in FRF occurs with the Pro-Core added, particularly in the range 100Hz to 400Hz, but peaks increase slightly at 80Hz and 450Hz. Clearly, the presence of the Pro-Core influences the dynamics of both putters.

Figure 1. Left: Putter 1 (mallet type); right: Putter 2 (blade type).

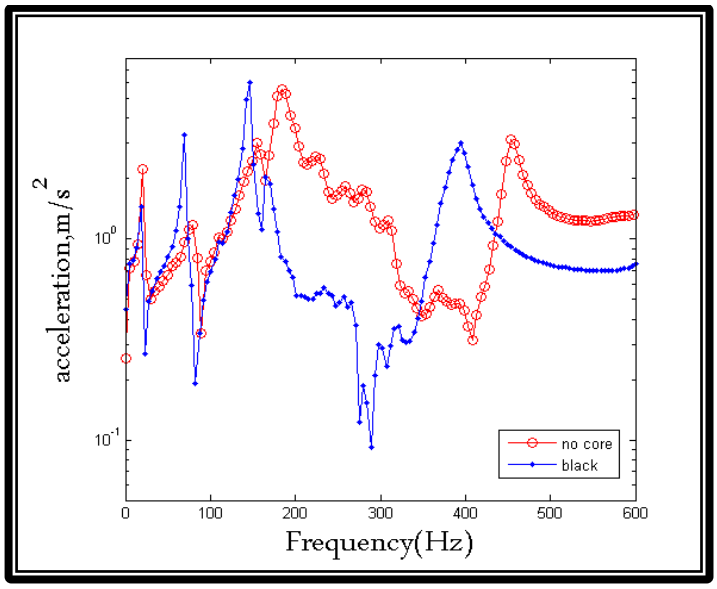


Figure 13: FRF Spectra Putter 1 - Red Circles **WITHOUT** Blue Diamonds **WITH** the Pro-Core.

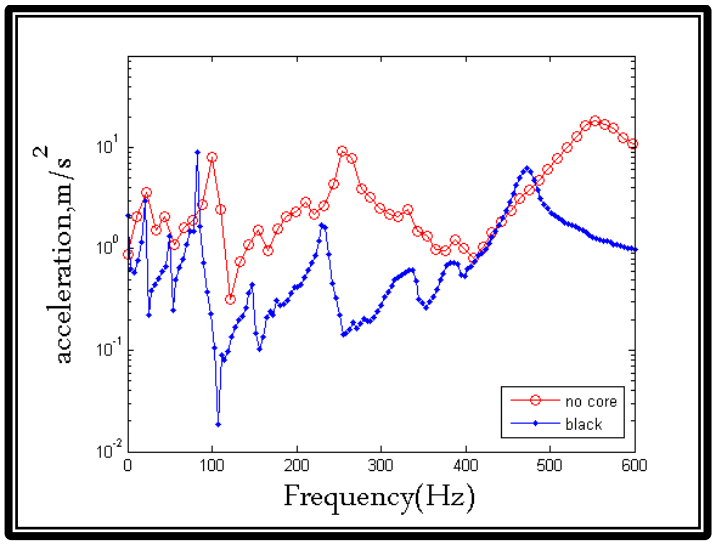


Figure 14: FRF Spectra Putter 2 - Red Circles **WITHOUT** Blue Diamonds **WITH** the Pro-Core.

4.2 - Phase 2: study of the same but in a fixed state within a specially designed putting robot and to measure the effect of vibrations when striking a ball from a centre, heel, and toe position off the putter face.

Figure 2. Left: Putter held in robot; Right: Robot clamping arrangement

Face contact time:

High speed video (HSV) filming

A close-up side view of the putter head and ball were filmed during the strike event using a high speed video (HSV) camera (Phantom v210) recording at a frame rate of 30,015 frames per second. The camera was situated at one side of the robot, as shown in Figure 3 and the set-up was optimised to record the contact time between putter and ball as accurately as possible.

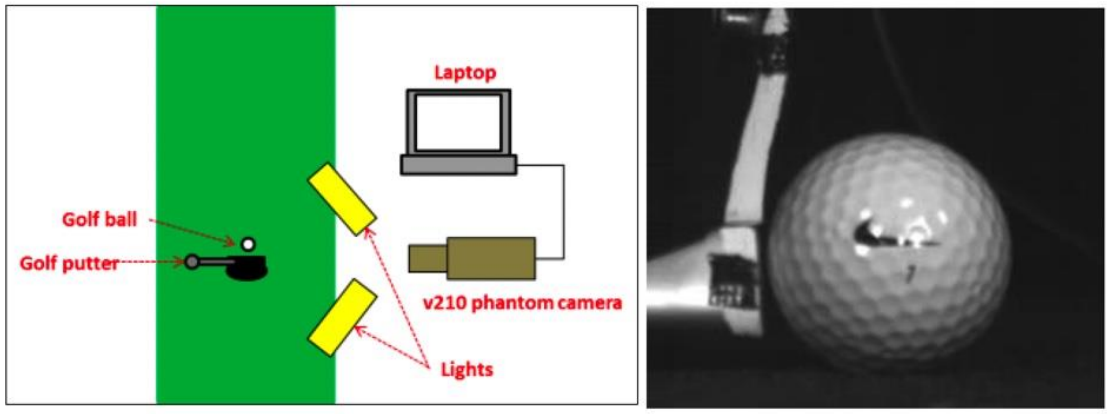


Figure 3. Left: top view of the high speed video set up. Right: example of HSV footage

4.3 - Phase 3: study of putter face displacement. ~Conducted in the same robot but using three very high-speed cameras operating at 10,000 frames per second to physically capture the effect of the Pro-Core whilst striking a ball. Looking specifically at the effect of the ball and putter face impact time. 3D allowed for parallax error and a CAD 3D system for measurement.

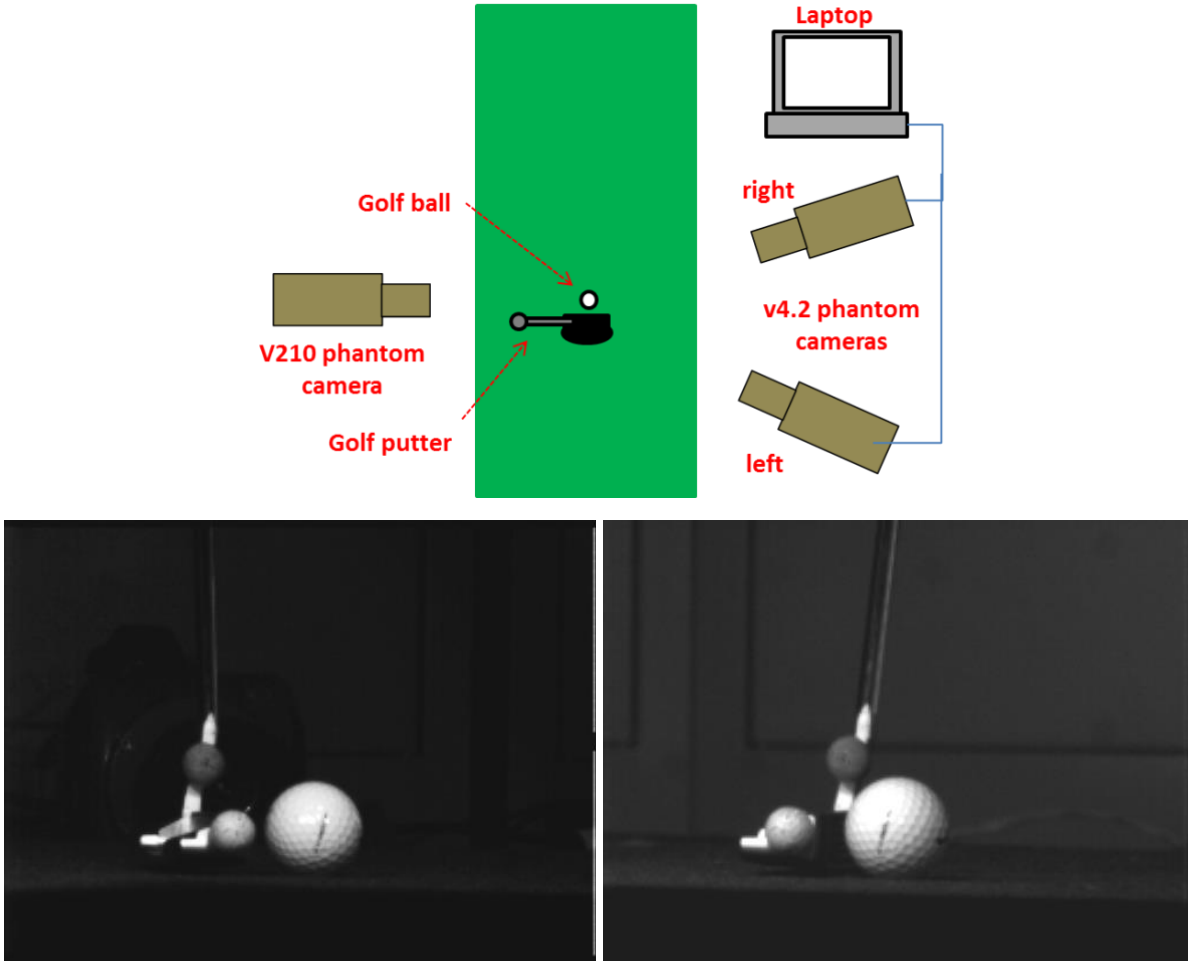
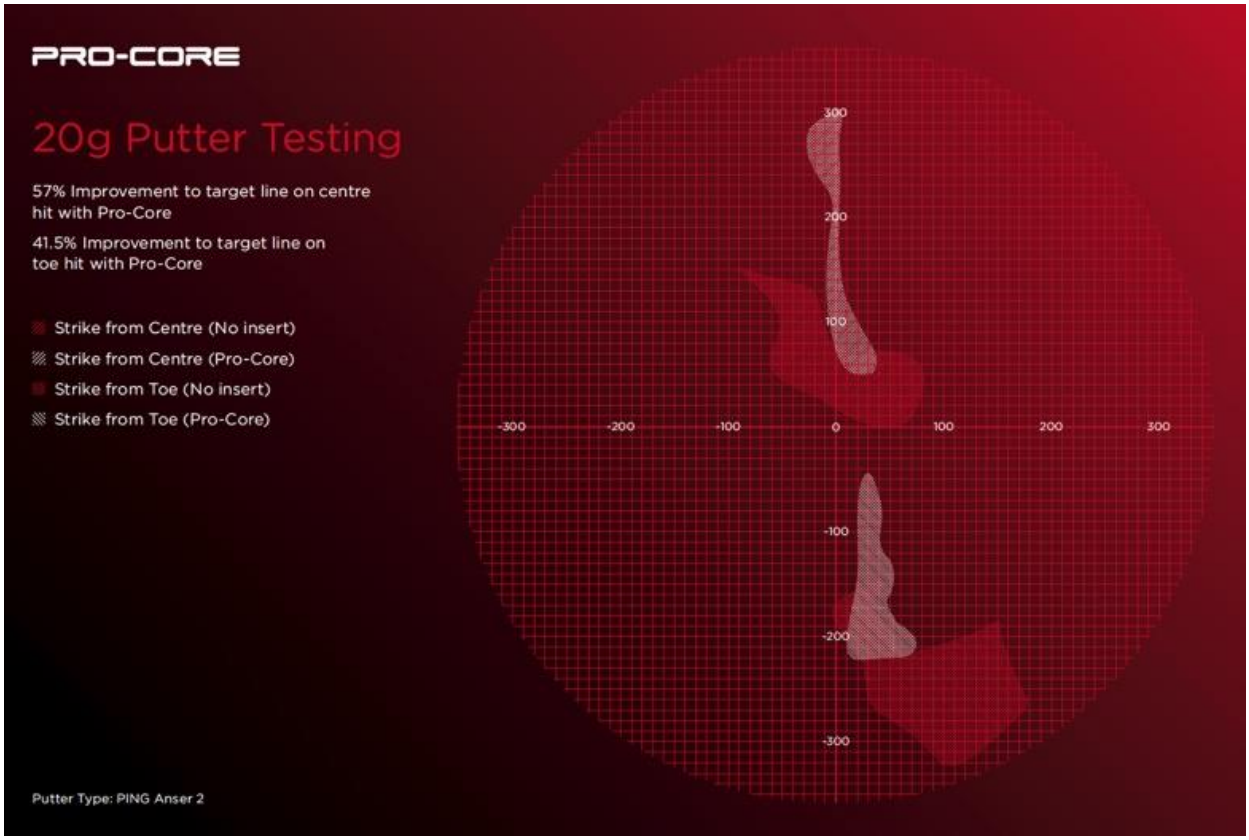
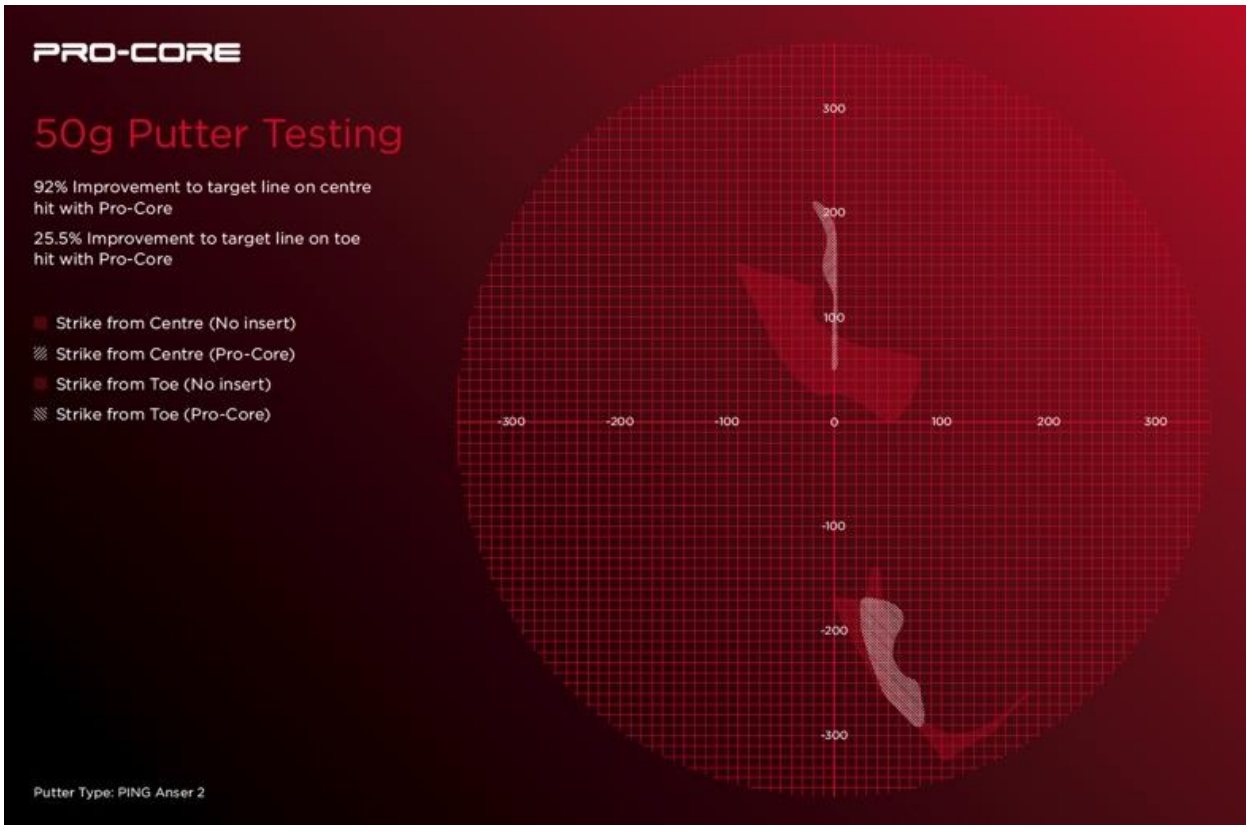


Figure 2: Top: Experiment set up. Bottom left: view of the left HSV camera. Bottom right: view of the right HSV camera

Three-dimensional coordinates were obtained from the footage using a 3D checkerboard calibration method. This technique was used to pre calibrate a 0.30 x 0.15 x 0.15 m volume situated at the centre of the impact locations. The volume and orientations of the global axes determined are shown in Figure 3.

4.4 - Putter robot test results:





Sheffield University Testing

The University Of Sheffield.

SERG
Sports Engineering Research Group

4.5 - Concluding statements from the University following these four studies:

Summary of Conclusions from all Three Work Phases to Date

- The pro-core device has been shown to consistently change the dynamic behaviour of putters, when held in the hand, and mounted in the robot device. This has been shown with impact hammer tests and accelerometer testing when a ball is struck.
- Monitoring the final rest position of the ball post-putt, suggests that the presence of a pro-core has a favourable effect for off-centre hits, resulting in a final resting position closer to the target line.
- High speed video analysis of robot putts showed an effect on the contact time when using Putter 1, but this is less obvious for Putter 2.
- 3-dimensional analysis of markers mounted on the putters using 2 high speed video cameras showed a measurable effect of hitting positions for both putters when using the robot - toe hits causing the face to open up, heel hits causing it to close. The actual effect of a pro-core being installed was not possible to measure with this system.
- Analysis of the ball behaviour immediately after contact with the putters set up in the robot suggests that rolling is initiated later when the pro-cores are installed and ball bounce behaviour is also affected.
- Observing the behaviour of the ball immediately after impact and throughout the ball roll has the potential to produce more measureable effects of the pro-core than attempting to observe the highly complicated interaction between the putter face and ball during the short period of contact.

Taking all of the above into account, it is highly possible that the change in putter dynamics, caused by the presence of a pro-core, could have an influence on the putter/ball interaction during the approximate 5 ms of contact when using the robot set-up. This change in interaction would explain the measured change in ball behaviour immediately after impact and consequent ball roll and final resting position. Considerable robot testing by Pro-Core Golf has indicated that the change in ball behaviour post-impact results in a more favourable final resting position when the pro-core is installed for a range of putters. This is backed up with testimonials from players.

References

1. M. Carré, J. Rongong & N. Tang, (2013) "Instrumented hammer tests of putter vibration", Confidential report produced for Pro-Core Golf. December 2013.
2. M. Carré, D. Ura & N. Tang, (2013) "Performance of a golf club device - 2nd Phase", Confidential report produced for Pro-Core Golf. March 2014.

4.6 - These early product developments in putters produced some outstanding testimonial feedback from such a small trial group in relation to the entire World Golfer market.

-----Original Message-----
From: outlook_9b956c06733d77e6@outlook.com [mailto:outlook_9b956c06733d77e6@outlook.com] On Behalf Of Gary Nicol
Sent: 28 April 2014 16:21
To: Russell Hicks
Subject: Pro-Core Testimonial

Pro-Core

From the very first putt I hit after fitting a Pro-Core in my putter, I knew these guys were on to something. Something different, something special, a genuine game changer.

As any golfer will tell you, feedback from any shot you hit is essential and the feedback I got straight away was that the feel and performance of my putter was enhanced immediately.

We often relate acoustics to feel and while the sound of the putter making contact with the ball was different to anything I has experienced before, the difference was subtle but distinguishable. The softer sound translated to a softer but more solid feel, something virtually all putter manufacturers strive to achieve.

By effectively enhancing the sweet-spot, distance control became a whole lot easier to achieve and as a result, I now feel more confident than ever that I can consistently hit my putts the correct distance.

I am no scientist but having since spent numerous hours speaking to David and Russell, I firmly believe that the science behind Pro-Core will help to make it become the 4th component part of every golf club, alongside the head, shaft and grip.

With over 25 years experience coaching golfers of all standards from beginners to Ryder Cup players, I have seen numerous innovations come and go but I firmly believe Pro-Core is here to stay.

The strongest recommendation I can give is to say that I can't wait to try it in my woods and irons.

Gary Nicol
Director of Coaching
TPEGS Ultimate Golf Experiences
Archerfield Links
Mobile - 07985 638367
Email - gary@tpegs.com
Web - www.tpegs.com
Twitter - @GaryNicol67

Mark Taylor (@MarkTay04)

06/02/2014 13:35
@ProCoreGolf on the putting green today and all I can say is "wow" what a difference. Stroke is better, no more pulls left. Confidence over

Neil Webb (@llneilwebb)

27/01/2014 21:07
@ProCoreGolf @ryanalexander59 it's a quality product I've enjoyed putting since I had mine put in about 4 month ago

Dan Park (@danwpark)

10/01/2014 23:32
Had the @ProCoreGolf putter shaft dampener fitted yesterday. Feels awesome! Off-centre hits roll out great and as consistent as good strikes

Daniel McCoy (@DanielMcCoy93)

28/11/2013 01:17
@RussellRJH @ProCoreGolf After creating Procore/@RickShielsPGA video I today tried a Procore in my putter and holed the world, Great product

DLS (@dscourfield)

05/12/2013 08:18
Thanks to @ProCoreGolf helping me to my first cheque as a professional on Monday. #Improving #1Putt

Darren Hodgson (@DHCoaching)

07/12/2013 21:08
Unbelievable Another @ProCoreGolf today, these really do work they sell themselves.

Jason Grech (@hotgolfgrech)

13/12/2013 10:37
@MarkTay04 @CATTMANDO07 @dscourfield no problem, massive improvement on distance control since using @ProCoreGolf

Peter Eccles (@peteeccles68)

21/12/2013 15:54
@ProCoreGolf can't believe the change. @lewisgolf2000 31 putts today and no 3 putts, that's 2 rounds with no 3 putts #notluck #besteverstats

Matt Smith @MJSmith_)

21/01/2014 20:16
@ProCoreGolf I had it fitted in American Golf, I've got a Nike Method 001 and 50g! Love it! In my last 3 rounds I've had 31, 30 and 32 putts

Ash Colloff (@AColloff)

26/10/2013 20:14
@ProCoreGolf 1st proper round with my putter.. Holed everything including 5 30 plus footers made a huge impact #bestproductingolf #26putts

MidYorkshireGolfClub (@MidYorkshireGC)

19/09/2013 23:08
@ProCoreGolf definitely works 30 putts yesterday in windy conditions more feel on long putts and a better roll. Everyone should get it!

Matt Rolph (@rolphdogg86)

08/11/2013 17:45
@ProCoreGolf went for the 20g. It's so different to putt with. Still getting used to it, but i love how off centre strikes feel and roll!!!

Alex Collman (@AlCollman)

12/11/2013 20:07
@MattJohnsGolf @ProCoreGolf @ScottHFletcher no need to test Scott. Matt fitted me one on Saturday and it's brilliant #justgetit #nobrainer

Lyle Hastie (@lyle_hastie)

20/09/2013 17:43
Just had a few putts with my new @ProCoreGolf #oneputtmachine unbelievable! Thanks

kenty (@160kenty)

23/08/2013 18:51
@ProCoreGolf had core fitted to putter 2day it says rain tomorrow so half hr on putting green at home, 1st signs real positive #amazinginfact

David Couch (@couchgeezer)

02/08/2013 12:33
@ProCoreGolf just tried the pro-core fitted anser v a normal anser, felt noticeably softer and right across the face and rolled well #iwant

Neil Webb (@llneilwebb)

24/08/2013 08:26
@scott1980harris @ProCoreGolf I had it fitted yesterday and its quality it's like a new putter unbelievable on mishits

5.0 - Introducing - Pro-Core "Micro Mass Damping"

The early studies and positive results inspired David Hicks 'Inventor' and supporting Pro Golfers to further enhance the products performance and in recognition of the need to have a much lighter product for the long game clubs, David condensed the technology and improved the fitting/positioning system with the very latest 'compression gauge' device.

Whilst the Pro-Core Micro mass damper delivers the same dynamic benefits the putter Pro-Core exhibits as witnessed during the Sheffield University testing it has a highly unique additional influence on the shaft's performance.

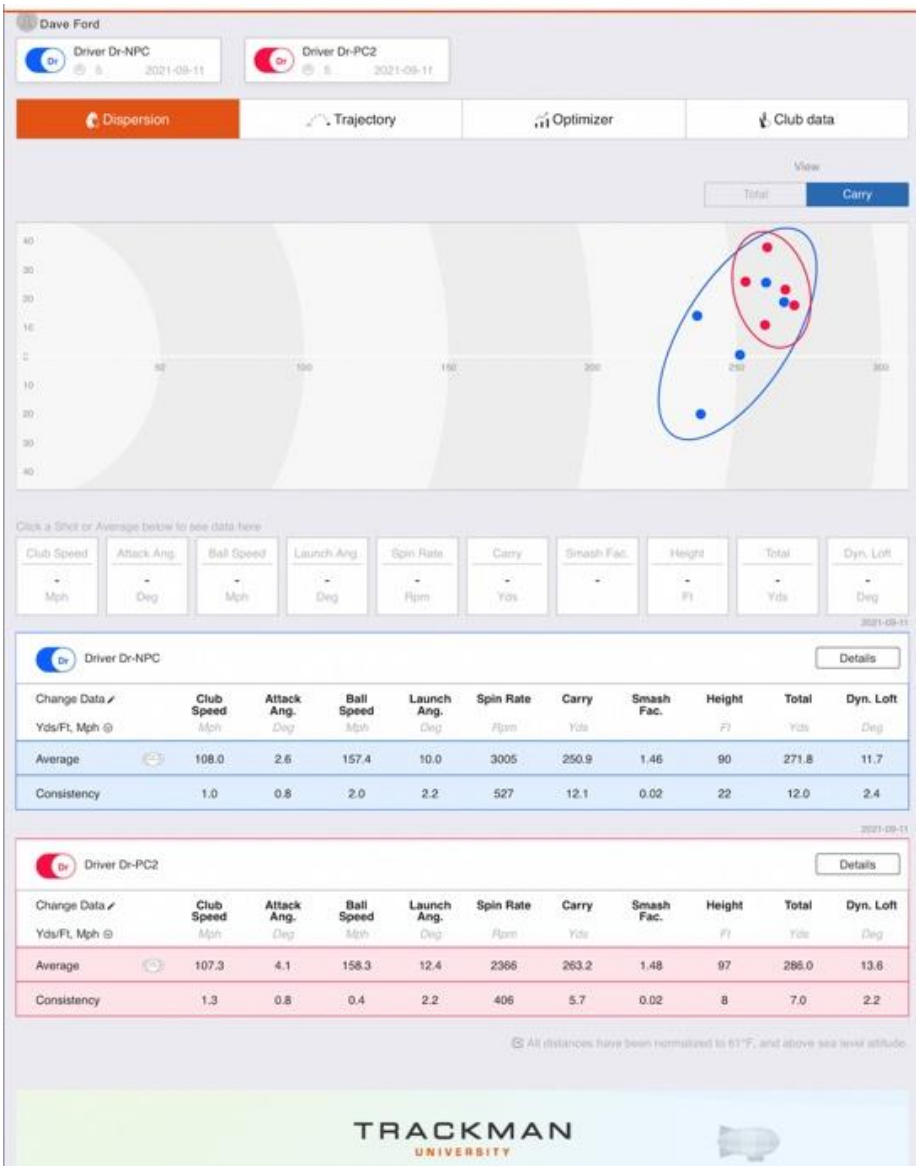
This is derived through the compression of the Pro-Core when it is inserted into the shaft with a digital compression gauge as can be seen in the image above. The internal pressure Pro-Core exerts from the inside of the shaft outwards influences the behaviour of the shaft and even more uniquely the products position inside of the shaft can be varied with a very simple reposition governed by the digital Newton Nm force gauge to either increase or decrease pressure. By changing position Pro-Core enables a matching of the shaft performance to the player for an optimum performance matching shaft behaviour to players swing dynamics.

As we know and having studied through advanced swing/flight scope systems all players have different swing styles and whilst two players on comparable handicaps and hitting at similar swing speeds, may well have the same shaft flex but will deliver the club head to the ball in all manner of different swing styles/dynamics. This poses an issue in matching the shaft to the player's style. Where in the club fitting World it consists of trial and error by fitting and testing player with multiple shaft brands, flexes, and styles. This is a costly and time-consuming exercise for the retailer.

Pro-Core allows you to make this adjustment dynamically, without the need to change shafts.

5.1 – Driver Test: As witnessed in the Trackman data below several key benefits are observed

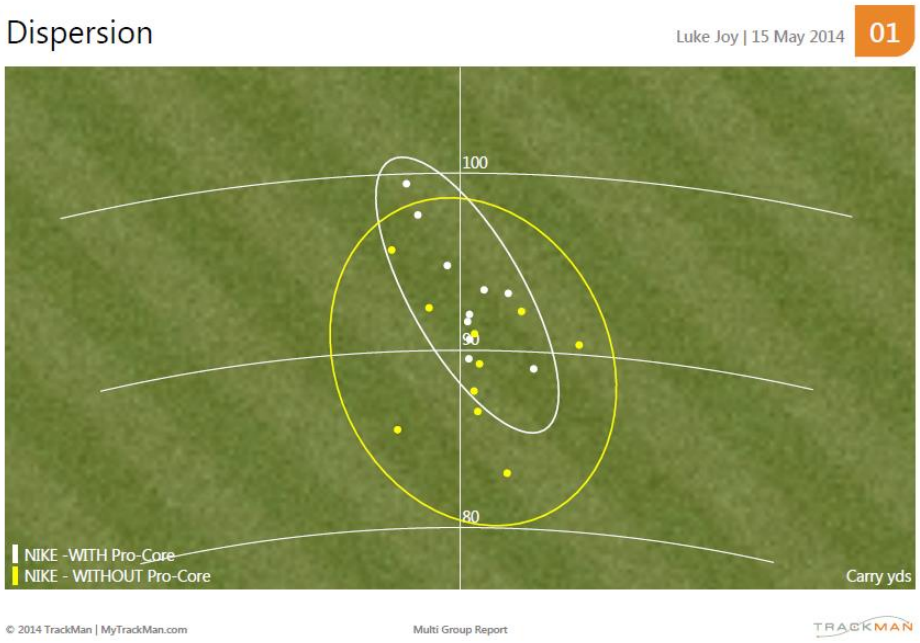
- Dispersion is improved in all most all cases with players experiencing increase accuracy to target line.
- Increased overall distance is also observed in a high percentage of cases this can be as much as 40 yds of improvement +14.2 Yds in the example below.
- Naturally overall average distance increases through the effect of tighter grouping as can been seen below.
- Spin rate can be significantly altered. You can increase spin in short game chipping irons and decrease spin for drivers. In example below spin was reduced (3005-2306rpm) -639rpm
- Smash factor increases in almost all cases .02 in example below.

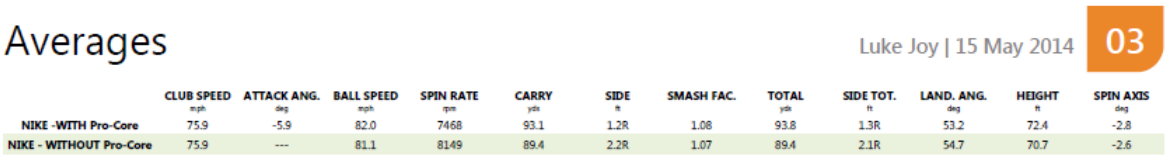


5.2 - Wedge Testing:

This test was specific to measure consistency to target line. We set up on a clear area of ground, on a clear, warm day with very little wind. Our Pro-Core feather flag was measured at 95yds from the striking area. The landing area was of rough ground, so we have used the "Side Carry" as our data point.

Test – NIKE Forged 56 Deg – Gap Wedge. Test carried out with Luke Joy – Full time professional. These tests were performed with brand new TaylorMade Tour Preferred Balls. This club has softer shafts which were not the ideal setup for our player.

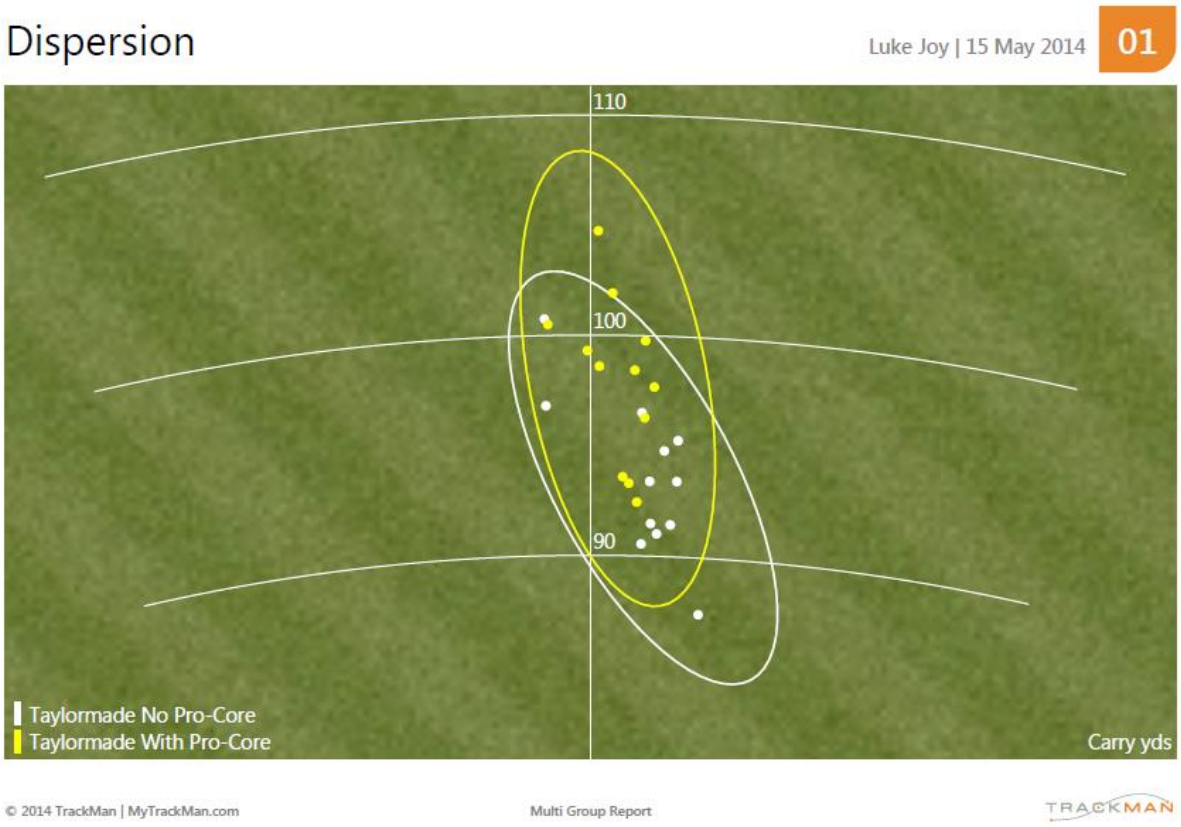




	CLUB SPEED mph	ATTACK ANG. deg	BALL SPEED mph	SPIN RATE rpm	CARRY yds	SIDE ft	SMASH FAC.	TOTAL yds	SIDE TOT. ft	LAND. ANG. deg	HEIGHT ft	SPIN AXIS deg
NIKE -WITH Pro-Core	75.9	-5.9	82.0	7468	93.1	1.2R	1.08	93.8	1.3R	53.2	72.4	-2.8
NIKE - WITHOUT Pro-Core	75.9	---	81.1	8149	89.4	2.2R	1.07	89.4	2.1R	54.7	70.7	-2.6

These results show a 36% reduction in the Carry "SIDE TOTAL" measurement, when applying the standard deviation for Luke Joy which is 7.8% for two sets of results; this translates into a true position improvement of 28.2% to target line.

Test – Taylormade 56 Deg – Gap Wedge. Test carried out with Luke Joy – Full time professional. These tests were performed with brand new TaylorMade Tour Preferred Balls. This is Jukes competition club, specific to his requirements.



Averages

Luke Joy | 15 May 2014 **03**

	CLUB SPEED mph	ATTACK ANG. deg	BALL SPEED mph	SPIN RATE rpm	CARRY yds	SIDE ft	SMASH FAC.	TOTAL yds	SIDE TOT. ft	LAND. ANG. deg	HEIGHT ft	SPIN AXIS deg
Taylormade No Pro-Core	78.4	-8.6	79.2	5203	93.6	7.1R	1.01	97.9	7.5R	52.2	73.0	0.6
Taylormade With Pro-Core	80.8	-6.0	82.8	6485	98.0	3.7R	1.02	100.0	3.7R	53.2	75.6	-0.5

These results show a 48% reduction in the Carry “SIDE TOTAL” measurement, when applying the standard deviation for Luke Joy which is 7.8% for two sets of results; this translates into a true position improvement of 40.2% to target line.

Pro-Core Micro Mass Damping 3gram – Testimonial Feedback

UK PGA Assessment

"To me, it's the biggest development in golf since the metal-headed driver"

Introducing ProCore – the distance-increasing device that PGA Professional Mark Wiggett has played a key role in developing alongside golf-loving aeronautical engineer Dave Hicks

Dorset-based PGA Professional Mark Wiggett is playing a key role in developing a golfing gizmo he describes as being a game-changer for golf and his fellow pros.

Wiggett has spent a decade helping aeronautical engineer Dave Hicks fine-tune Pro-Core, a device that, inserted into a club's shaft, can increase the length of a drive by 10 per cent or more and improve dispersion by negating the effect of mishits.

Hicks, a senior golfer who plays off 10 and has spent his entire career working in the aerospace and F1 industries, initially came up with the concept to improve his putting.

Fast forward 10 years and Pro-Core, which is R&A and USGA compliant, is now available for PGA pros to fit into any club with a composite or tapered shaft.

Explaining its origins and the science behind his invention, Hicks said: "I've been responsible for most of my life coming up with a solution to a problem in engineering.

"I saw an issue with shafts in putting and thought what's the solution in trying to improve the performance of the ball off the face."

His initial solution was Pro-Core Mark 1, a metal and plastic device that was inserted into the shaft of his putter. However, although the addition improved ball-striking and roll its weight of 50 grams would make the club too heavy and unmanageable.

Ten years of diligent research, however, has resulted in the weight of the original Pro-Core being slashed to three grams and the device, which is now made of polymer, is almost imperceptible when inserted into the shaft of any club, even a driver or long iron.

"The presence of Pro-Core in the shaft increases kinetic energy dramatically," Hicks continued. "As a result, the ball stays on the clubface longer and comes off it more smoothly.

"But the launch remains the same and dispersion comes in both left and right – so the distance is dramatically different even on a mishit.


The Pro-Core weighs just 3g...


...and is a compact device

COULD PRO-CORE HAVE HELPED MOLINARI WIN THE MASTERS?

"I firmly believe if Francesco Molinari had had Pro-Core in his clubs in the 2019 Masters, he'd now have a green jacket and Tiger Woods wouldn't have won his 15th major," says Wiggett.

"That ball he hit into the water at the 12th in the final round at Augusta would have gone in the bunker and not the water.

"He hit the ball toe or heel and it went into the water. But with Pro-Core in the shaft, it would have made the bunker. He'd have up and downed it and gone on to win.

"That's a powerful statement but it's what I believe."

"Whether you hit the ball off the toe or heel or the middle it's very similar. The effectiveness of the shaft and head is much better with Pro-Core in.

"In simple terms, Pro-Core reduces the amount of spin imparted on the ball, so it travels further. Obviously, the distance gained depends on the swing speed. Conversely, altering the position of Pro-Core in a short iron's shaft can increase spin.

"As for putting, Pro-Core doesn't make you hole putts but makes the distance more consistent whatever part of the face – toe or heel - connects with the ball."

The proof of the pudding, of course, is in the eating or, in this instance, striking a golf ball.

To that end, the results have been overwhelmingly positive, not least when Wiggett had the device tested at Wentworth.

"The director of golf there is a friend of mine," explained Wiggett, who is based at Dudsbury Golf Club, Bournemouth. "I told him about Pro-Core, and we gave it to the main fitter in the TaylorMade lab there.

"He's a PGA pro and, like most people, was sceptical to start with. We measured five shots despatched by his latest driver. On average these travelled 286 yards.

"Then we inserted a Pro-Core into the shaft and the average distance increased to 306. Needless to say, he was converted and kept the device."

Perhaps, more importantly, tests conducted at Sheffield University and by the R&A have confirmed the veracity of Hicks' data and effectiveness of the device.

"I put it into some wedges for the R&A to test," said Hicks, "and they came back to me and said 'you've changed golf forever. It's unbelievable the difference in performance'."

Closer to home, PGA education membership co-ordinator Gareth Shaw put Pro-Core to the test on the range at The Belfry.

"I was getting 40 yards more on my drives with the Pro-Core in," he said. "I thought it was brilliant.

"I commend anybody who wants to create something innovative and different in the golf industry. We're all striving – amateurs and professionals – to get a little bit more distance and accuracy."

Such is Shaw's confidence in the product he has had a Pro-Core fitted into each of his clubs, as has Joe Machin, a Year 3 PGA Trainee based at Trentham Golf Club, Staffordshire.

"I think this could be one of the biggest products in a long time that can change golf," he said after putting Pro-Core to the test.

In addition to being a game-changer on the course, Pro-Core also has the potential to be an additional source of revenue for PGA pros.

"For someone who works as a club-fitter this is another tool to have in their arsenal," added Shaw.

In terms of boosting income, each Pro-Core unit retails to members of the public for £34.95. However, the cost to PGA pros is £15.00 plus VAT per unit so a healthy profit margin is involved. In addition, fitting kits are available for £124.95.

It's not just club-fitters who can benefit from fitting Pro-Core.

"It's a simple process," added Wiggett. "To me, it's the biggest development in golf since the metal-headed driver. In my opinion it's a massive opportunity to boost revenue and I can't endorse it enough.

"As far as I'm concerned, it's a huge game-changer in terms of creating income for pros and out on the course for golfers," he said.

• Learn more about Pro-Core at **procoregolf.com**

Email Testimonials

Hi David

All going well, results are impressive, I have guys hitting draws when they could only ever hit high,spinny fades.....seriously impressive.

Just wanted to ask, can I use the current cores 9.6,9.8,10,10.2 in irons?
If so, does the pressure chart stay the same, for example irons R -10- 125nm?

Also, need to order more depending on your answers above

Thanks

Kind regards
Paul Arthur CMDip
Head Professional
Phone. : 01828 632268
Alyth Golf Club
paul.arthur@foremostgolf.com

Nick is Pro Golf studios in Exeter
Hi David,

So here is some feedback.

Driver
Distance – I am getting an extra 10 yrds and more consistent centre strike. Game changer for me.
Dispersion – Without the insert, I am getting an average of 15 yrds. With the Pro Core fitted, I am get an average of 9yrds dispersion. This is major for me as it means that I hit more centre of fairways.
Feel – Will have to get use to the feel as the dampening effect of the insert make the shaft feel "dead". This is because I have been playing golf for so long that I am use to getting feedback through the shaft as it feels "lively". Not the best words to describe the feel but these were my immediate thought but I know that it just feels less responsive due to the dampening effect of the insert. I will give it time as I just need to let it bed in.
Summary – amazing results, feels different, will certainly improve my tee shots.

Putter
I didn't see any great improvement on centre strike but I was using my GC2 + HMT to measure this rather than a more advance putting analyser. However, The "Dead" feel on a putter is brilliant and I felt it was more forgiving on slightly off centre strikes. I would say this is due to more tension stiffness (reduced the torque). Now that I won't be spending time in the studio, I hope that I will get more opportunity to get this on some real green to see the benefits.

Irons
As I said before, I found these to be great and I have started to get use to not getting the "lively" feel from not having the inserts installed.

Installation.
Easy to install and once you done a few, it takes no time at all.

PS – Please don't take "Dead" and "lively" in anyway a negative.

All the best and speak soon,
Nick

Sent from Mail for Windows

On 18 Oct 2022, at 10:43, Gareth Shaw <gareth-shaw@outlook.com> wrote:

"When I first came across Pro Core, I was a little bit apprehensive about the results and what it could offer and do for the performance of my clubs. But once the core was in the club and I hit the first couple of shots I know it was different, and the results certainly showed. I had an amazing 1-hour fitting, and we advanced my driver distance by 30 yards! But what I was most blown away about was once we put the core into my wedges, the dispersion was amazing, we went from 12 ft to 2 ft dispersion! Amazing, I was blown away and would recommend every golfer, puts Pro Core into their clubs."

GARETH SHAW – PGA PROFESSIONAL

Many Thanks

Gareth Shaw

From: stevecloran747@gmail.com
Date: 18 February 2023 at 14:30:09 GMT
To: "David Hicks (Pro-Core Golf)" <david@procoregolf.com>
Subject: RE: Catch up

Hi David,
I have had a chance to play a round since the Pro core was fitted in my Driver
Well Amazing the ball seemed to have a better flight and gain yardage at least a club
Please put to one side a set of Pro core for me when they come in ! (maybe 13-15 units)

ALEX is from Alex custom fit in Dornoch Scotland
Hi David

Yes I've actually spoken to Nigel in the past re Tom Wishon products. He was going to pop in this week but hasn't done so yet. The weather has been a bit stormy unfortunately.

I've managed to do some testing with Pro Core and the results were impressive. Which I know will be no surprise to you.

My wife Frances, a 10 handicapper gained 14 yards carry and 10 yards total distance. I made similar gains and my neighbour Willie Skinner, the retired Pro from Dornoch, who is 90 with a swing speed of 55 mph gained 6 yards total distance. Ball speed and smash factor scores showed gains and the feedback on the hit also seemed improved, but difficult to describe. Willie for example felt that the impact had a softer feel.

I hope this is useful commentary. I have 2 customers coming for testing tomorrow so will let you know how that goes. I'm sure I'll be looking to place another order soon.

Best Regards

Alex

Pro-Core testimonial data and ongoing testing validation is a continuous process.

The very best methodology to convince any interested parties is “Simply Test” the product for yourself.

For further information:

Please contact either of the following:

David Hicks
Mobile: +447734231859
Email: david@procoregolf.com

Russell Hicks
Mobile: +447816585469
Email: russell@procoregolf.com