



# Swing Science® 2009 PRODUCT CATALOG





## HOWARD MILLER



The economic turmoil notwithstanding, 2008 was an interesting year for the entire golf industry in particular on the custom clubmaking side of the business. It became evident over the past few years with the big box movement of mega golf retailers, we began to see a real contraction with independently owned custom clubmakers. Coupled with the economic challenges of this past year there has been a noticeable decrease in the number of specialty retailers dedicated to custom fitting with golf club components.

Despite these industry dynamics, it is our opinion at Swing Science that those clubmakers who have remained viable during these tumultuous times will be wiser, stronger and positioned to take advantage of new market opportunities that will invariably present themselves in the coming months. Additionally, we believe the “Big Experiment” with independently owned clubmakers custom fitting with “Pro Line” equipment has proven difficult and unprofitable and that there will be a return to fitting golfers with equipment specifically designed for custom fitting from both a performance and economic standpoint.

On that note, Swing Science is pleased to announce the addition of Mark Adams to our design team as VP of Product Development. Mark brings a wealth of clubhead design experience to the company and has worked in all facets of the industry. He spent the past five years designing golf clubs for a major OEM and prior to that experience he provided consulting services to other major brands. Most notably, Mark began his golf career as a retailer operating his own custom clubmaking business for several years. This ideal blend of retail experience coupled with his OEM design background will prove to be an asset not only for Swing Science, but for our highly valued network of clubmakers committed to the art of custom clubmaking.

# Swing Science®







## MARK ADAMS



After working 14 years in the automotive industry, I turned my experience and in depth knowledge of foundries, forging plants, machining, and assembly plants towards my real passion, the art of custom clubmaking and design. During my 13 years of owning a retail shop, I was regularly called upon to consult and design for a number of Major OEM Golf Companies. Most recently entrusted with VP of R&D for the famous "845" brand which is still one of the most recognized and most sold irons in the history of the game. I was also fortunate to serve as a member of the Golf Digest Technical Advisory panel for many years.

It is with great excitement and pride that I am joining the Swing Science team as VP of Product Development bringing with me 20+ years of Research and Development experience that I can directly share with the Professional Clubmaker. As such, I am returning to my roots for designing and building Custom Fit golf clubs and truly believe that the best fit clubs come from the hands of the Professional Clubmaker.

Swing Science is truly a "Custom OEM" company and with the successful launch of the Fitting Center Program in 2008 it is my goal to grow this valuable network of retailers by bringing them products designed specifically for their shops needs. Currently the company offers a wide array of highly customizable products to meet every player profile and also includes a series of "Custom Fit" shafts that were designed to compliment our clubheads from both a performance and cosmetic standpoint.

Going forward we will continue to emphasize our mission to provide Original Equipment for the Custom Clubmaker while delivering it through our network of Custom Fitting Centers.



Swing Science®  
FITTING CENTER

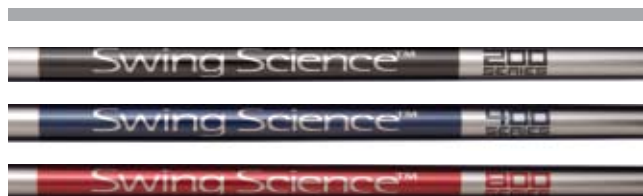
## CUP FACE 460 DRIVER

CLUB	LOFT	LIE	WEIGHT	VOLUME	FACE HEIGHT	CLUB LENGTH	SWING WEIGHT
1	9	57.5	202	460cc	58mm	44.75"	D2
1	10.5	57.5	202	460cc	57.5mm	44.75"	D2
1	12	57.5	202	460cc	57mm	44.75"	D2
1	14	57.5	202	460cc	56.5mm	44.75"	D2

Swing Science is pleased to introduce its inaugural line up of components starting with the big stick the Cup Face 460 Driver. Our experienced design team chose a classic pear shape as the inspiration for the clean lines exhibited by this 460cc titanium driver that delivers maximum performance for golfers of all skill levels.

Combining today's advanced manufacturing techniques that includes plasma welding for constant weight distribution, cup face technology for a larger higher COR, and a super thin crown for a lower CG and higher MOI creates the perfect blend between tradition and technology. All this adds up to the easiest longest driver you will ever hit!

### MATCHING ITEMS



### DIMENSIONS

Inside Diameter: 8.6mm  
 Outside Diameter: 12.5mm  
 Bore Depth: 35mm  
 Bulge: 10 Inch  
 Roll: 12 Inch  
 Face Angle: H 0.5

### MATERIALS & FINISH

Face: Beta Ti 15-3-3-3  
 Body: 6-4 Titanium  
 Finish Paint: Black







## 200 SERIES FAIRWAY WOOD

CLUB	LOFT	LIE	WEIGHT	VOLUME	FACE HEIGHT	CLUB LENGTH	SWING WEIGHT
3	15	58	210	150cc	35mm	43.00"	D2
5	18	58.5	218	140cc	34mm	42.00"	D2
7	21	59	226	130cc	33mm	41.00"	D2

The 200 SERIES Fairway Woods and Hybrids will share the same clean classic lines that the 200 SERIES Driver exhibits. Easy to hit fairway woods and hybrids feature a low and deep CG with high MOI characteristics making these designs suitable for golfers of all skill levels.

### DIMENSIONS

Inside Diameter: 8.6mm  
Outside Diameter: 12.5mm  
Bore Depth: 32mm  
Bulge: 12-14 Inch  
Roll: 14-16 Inch  
Face Angle: 0-H1

### MATERIALS & FINISH

Face: 17-4 Stainless Steel  
Body: 17-4 Stainless Steel  
Finish Paint: Black

## MATCHING ITEMS





## 200 SERIES HYBRID

CLUB	LOFT	LIE	WEIGHT	VOLUME	FACE HEIGHT	CLUB LENGTH	SWING WEIGHT
Hybrid	18	59	230	120cc	34mm	40.50"	D2
Hybrid	21	59.5	236	115cc	33.5mm	40.00"	D2
Hybrid	24	60	242	110cc	33mm	39.50"	D2

The 200 SERIES Fairway Woods and Hybrids will share the same clean classic lines that the 200 SERIES Driver exhibits. Easy to hit fairway woods and hybrids feature a low and deep CG with high MOI characteristics making these designs suitable for golfers of all skill levels.

### DIMENSIONS

Inside Diameter: 8.6mm  
Outside Diameter: 12.5mm  
Bore Depth: 32mm  
Bulge: 12-14 Inch  
Roll: 14-16 Inch  
Face Angle: 0-H1

### MATERIALS & FINISH

Face: 17-4 Stainless Steel  
Body: 17-4 Stainless Steel  
Finish Paint: Black

### MATCHING ITEMS







## 200 SERIES IRONS

CLUB	LOFT	LIE	WEIGHT	OFFSET	BOUNCE	LENGTH	SWING WEIGHT
3 Iron	20	60.5	240	7.6mm	2	39.00"	D2
4 Iron	23.5	61	247	7.3mm	2	38.50"	D2
5 Iron	27	61.5	254	7.0mm	3	38.00"	D2
6 Iron	30.5	62	261	6.7mm	3	37.50"	D2
7 Iron	34	62.5	269	6.3mm	4	37.00"	D2
8 Iron	37.5	63	277	5.9mm	5	36.50"	D2
9 Iron	41	63.5	286	5.5mm	5	36.00"	D2
PW	44.5	64	292	5.1mm	6	35.75"	D3
GW	49	64	296	5mm	6	35.50"	D3
SW	54	64	300	4.7mm	12	35.50"	D4

The 200 SERIES irons follow the same design philosophy of the woods. Clean lines with a blend of today's game improvement technology make the 200 iron a winner for players of all abilities. Undercut flow technology moves the CG deeper and further behind the ball for each and every club in the bag. Weight has been positioned more towards the toe on long irons and gradually moves towards the heel on short irons capitalizing on golfer's tendencies and promoting more solid shots.

### DIMENSIONS

Hosel	Head
Inside Diameter: 9.45mm	Toe Height: 58mm
Outside Diameter: 13.5mm	Blade Length: 69mm
Hosel Length: 58mm	Sole Width: 21.5mm
Bore Depth: 35mm	

### MATERIALS & FINISH

Face: 431 Stainless Steel
Body: 431 Stainless Steel

### MATCHING ITEM





## S400 IRON

CLUB	LOFT	LIE	WEIGHT	OFFSET	BOUNCE	LENGTH	SWING WT.
3 Iron	18	59.5	242	4.8mm	2	39.00"	D0
4 Iron	22	60.5	248	4.8mm	2	38.50"	D0
5 Iron	26	61.0	254	4.8mm	2	38.00"	D0
6 Iron	29	61.5	261	4.0mm	3	37.50"	D0
7 Iron	32	62.0	268	4.0mm	3	37.00"	D0
8 Iron	36	62.5	275	3.5mm	3.5	36.50"	D0
9 Iron	40	63.0	282	3.5mm	4	36.00"	D0
PW	44	64.0	289	2.8mm	5	36.00"	D0
GW	50	64.0	296	2.0mm	10	35.75"	D2
SW	54	64.0	296	1.0mm	12	35.50"	D2

The S400 iron compliments the S Square 400 driver by providing the fitter the ability to customize trajectory in a high MOI design. Weight ports allow for the clubmaker to dial-in the sweet spot during the fitting process by placing weight where the golfer needs it most.

### PRODUCT HIGHLIGHTS

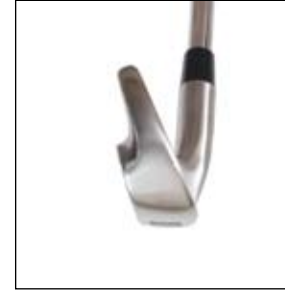
- 431-1 Face and Hosel for easier loft & lie adjustability and great feel.
- Adjustable weight ports allow the clubmaker to achieve either a fade, draw or neutral set up.
- Optional weights are available to dial in swing weights for shorter or longer club lengths.
- Deep under cut cavity for low center of gravity.
- Weight distribution with weight ports at toe and heel increases MOI of iron for better accuracy.

### DIMENSIONS

Inside Diameter: 9.45mm  
 Outside Diameter: 13.6mm  
 Hosel Length: 60mm  
 Bore Depth: 35mm  
 Blade Length: 81.5mm  
 Sole Width: 19.2mm  
 Toe Height: 48.6mm  
 Heel Height: 29mm

### CONSTRUCTION, MATERIALS & FINISH

Construction: 2 Piece Cast  
 Face: 431-1 Stainless Steel  
 Body: 431 Stainless Steel  
 Finish: Brushed Satin



The S400 iron features adjustable weights to enhance the custom fitting process.



## S800 DRIVER

CLUB	LOFT	LIE	WEIGHT	VOLUME	FACE HEIGHT	CLUB LENGTH	SWING WEIGHT
1	9	56.0	196	460cc	57.9mm	45.00"	D0
1	10.5	56.0	196	460cc	58.4mm	45.00"	D0
1	12	56.0	196	460cc	58.9mm	45.00"	D0

The "Brand New" S800 Driver features a modern profile head shape coupled with a neutral set up and geared for the better player. With its "Dual Deep Berth Crown" and "Fastback Style Sole" the rearward center of gravity is moved further back for higher launch and lower spin resulting in maximum speed, carry and distance. The S800 Wood Series will also include a fairway wood and hybrid sharing the same design characteristics.

### PRODUCT HIGHLIGHTS

- Neutral face angle for the better player
- Fastback design for lower and deeper CG

### DIMENSIONS

Inside Diameter 8.6mm  
 Outside Diameter 12.7mm  
 Bore Depth 38mm  
 Bulge 12"  
 Role 12"  
 Face Angle N 0.0

### CONSTRUCTION, MATERIALS & FINISH

Face 6-4 Titanium  
 Body 6-4 titanium  
 Finish Paint Black





## S800 IRON - FORGED

CLUB	LOFT	LIE	WEIGHT	OFFSET	BOUNCE	LENGTH	SWING WT.
3 Iron	21	60.0	243	4.0mm	2	39.00"	D1
4 Iron	24	61.0	250	4.0mm	2	38.50"	D1
5 Iron	27	62.0	257	4.0mm	2	38.00"	D1
6 Iron	30	62.5	264	3.0mm	3	37.50"	D1
7 Iron	34	63.0	271	3.0mm	3	37.00"	D1
8 Iron	38	63.5	278	2.0mm	4	36.50"	D1
9 Iron	42	64.0	285	2.0mm	4	36.00"	D1
PW	47	64.0	292	1.0mm	6	36.00"	D1

The S800 was designed for the more discerning golfer with plenty of game! This exotic design features advanced CNC milling to better control weight distribution to precise areas where weight is needed which can not be done with a standard forged iron. The result is a players club with great looks and outstanding playability characteristics.

### PRODUCT HIGHLIGHTS

- Billet Forged from soft 1035 carbon steel.
- Cavity is CNC milled to better control weight distribution to precise areas.
- Max Heel and Toe weight distribution through power V bar cavity.
- CNC machined face and grooves.

#### DIMENSIONS

##### HOSEL

Inside Diameter: 9.45mm  
Outside Diameter: 13.9mm  
Hosel Length: 70mm  
Bore Depth: 32mm

##### HEAD

Blade Length: 79.9mm  
Sole Width: 19.6mm  
Toe Height: 50.4mm  
Heel Height: 29.5mm

#### MATERIALS & FINISH

##### FORGED

Face: Carbon Steel 1035  
Body: Carbon Steel 1035



800 Series Forged Irons

## MATCHING ITEM



Swing Science®  
FITTING CENTER



800 Series Cast Irons

## S800 IRON - CAST

CLUB	LOFT	LIE	WEIGHT	OFFSET	BOUNCE	LENGTH	SWING WT.
3 Iron	21	60.0	243	4.0mm	2	39.00"	D1
4 Iron	24	61.0	250	4.0mm	2	38.50"	D1
5 Iron	27	62.0	257	4.0mm	2	38.00"	D1
6 Iron	30	62.5	264	3.0mm	3	37.50"	D1
7 Iron	34	63.0	271	3.0mm	3	37.00"	D1
8 Iron	38	63.5	278	2.0mm	4	36.50"	D1
9 Iron	42	64.0	285	2.0mm	4	36.00"	D1
PW	47	64.0	292	1.0mm	6	36.00"	D1

The new S800 Cast comes off the successful launch of the S800 Forged iron and gives clubmakers a viable alternative when fitting better players at a reduced cost. The S800 Cast shares the same specifications as its S800 Forged big brother with the primary difference be metallurgy. The forged iron utilizes 1035 carbon steel while the cast uses a highly malleable 431-1 stainless material. Both designs feature a unique power "V Bar" cavity that provides maximum heel and toe weight distribution that lends itself to a solid feel at impact.

### PRODUCT HIGHLIGHTS

- Super thin top line and minimal offset
- Uses a malleable 431-1 material
- Provides maximum forgiveness

### DIMENSIONS

#### HOSEL

Inside Diameter: 9.45mm  
Outside Diameter: 13.9mm  
Hosel Length: 70mm  
Bore Depth: 32mm

#### HEAD

Blade Length: 79.9mm  
Sole Width: 19.6mm  
Toe Height: 50.4mm  
Heel Height: 29.5mm

### MATERIALS & FINISH

#### CAST

Face: 431-1  
Body: 431-1

## MATCHING ITEM





## WEDGE SERIES

CLUB	LOFT	LIE	WEIGHT	BOUNCE	LENGTH	SWING WT.
S Wedge	52	63.5	298	8	36.00"	D4
S Wedge	56	64	300	10	35.75"	D4
S Wedge	60	64.5	302	12	35.50"	D4
T Wedge	52	63.5	298	8	36.00"	D4
T Wedge	56	64	300	10	35.75"	D4
T Wedge	60	64.5	302	12	35.50"	D4

Our new WEDGE SERIES was designed to enhance wedge play with a special emphasis on creating the right launch conditions for a given golfer. The new S Wedge was created for players looking for a traditional ball flight from a scoring wedge while the new T Wedge features a higher CG for creating a lower "tour" launch. Both wedges exhibit CNC Milling on the back cavity as well as the perimeter of the clubhead. Ideal from the rough, sand and fairway, these are extremely versatile wedges that play as great as they look!

### PRODUCT HIGHLIGHTS

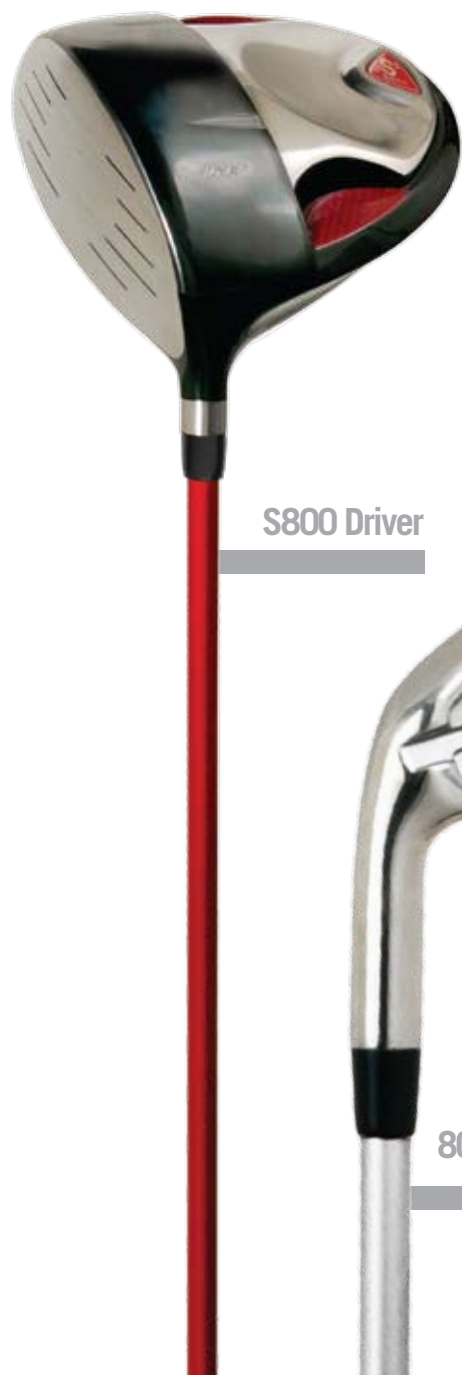
- Both wedges use 304 Stainless Steel for soft feel and adjustability.
- CNC back cavity to position CG to better control launch condition of wedge.
- T Wedge has a deeper cavity and slightly longer hosel to raise CG for lower launch angle.
- CNC Face and grooves.
- CNC top line.



S WEDGE

T WEDGE

## LEFT HANDED EQUIPMENT



S800 Driver



200 Series Irons



Cup Face 460 Driver



800 Series Cast



T WEDGE



200 Series Hybrid



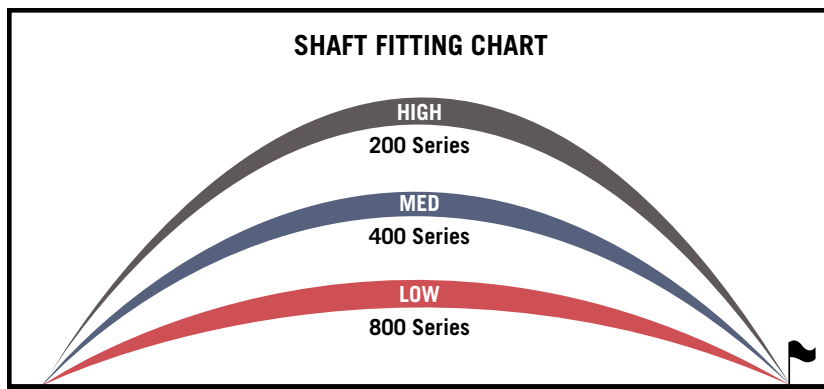
## 200 SERIES WOODS & IRONS

MODEL	TYPE	FLEX	LAUNCH	TORQUE	WEIGHT	BUTT	TIP	LENGTH
200IL	Iron	L	High	3.5	70g	.600"	.370"	40"
200IA	Iron	A	High	3.5	70g	.600"	.370"	40"
200IR	Iron	R	High	3.5	70g	.600"	.370"	40"
200IS	Iron	S	High	3.5	70g	.600"	.370"	40"
200WL	Wood	L	High	4.5	70g	.600"	.335"	46"
200WA	Wood	A	High	4.5	70g	.600"	.335"	46"
200WR	Wood	R	High	4.5	70g	.600"	.335"	46"
200WS	Wood	S	High	4.5	70g	.600"	.335"	46"

The most popular of our Swing Science shafts, the 200 Series offers a full flex range in both woods and irons. Featuring a light weight design with a low flex point, the 200 Series generates high launch ball flight characteristics with exceptional feedback for the golfer. A filament wound design insures excellent wall symmetry and superb impact repeatability.

Frequency builders will appreciate the consistency of this product particularly in the irons. Black and silver cosmetics make this shaft an excellent choice with most club head designs making the 200 Series an absolute winner in price, performance and aesthetics.

SHAFT FITTING CHART



200 SERIES LADIES

200 SERIES MEN

Swing Science™

400  
SERIES

## 400 SERIES

Swing Science™

800  
SERIES

## 800 SERIES

## 400 SERIES WOODS

MODEL	TYPE	FLEX	LAUNCH	TORQUE	WEIGHT	BUTT	TIP	LENGTH
400WA	Wood	A	Mid	4.0	65g	.600"	.335"	46"
400WR	Wood	R	Mid	4.0	65g	.600"	.335"	46"
400WS	Wood	S	Mid	4.0	65g	.600"	.335"	46"

Looking for a responsive mid launch wood shaft, then look no further. Our 400 Series ultralite wood shaft was designed for the above average golfer who needs moderate assistance in generating spin off the tee box. Filament wound construction insures excellent wall symmetry resulting in impact repeatability which translates into more fairways hit.

## 800 SERIES WOODS

MODEL	TYPE	FLEX	LAUNCH	TORQUE	WEIGHT	BUTT	TIP	LENGTH
800WR	Wood	R	Low	3.0	65g	.630"	.335"	46"
800WS	Wood	S	Low	3.0	65g	.630"	.335"	46"

A high performance driver shaft without the high performance price tag. Featuring a filament wound constant taper design, the 800 Series was designed for stronger players looking for the optimum balance between, power, control and feel. Recommended for driver use only, the 800 Series will generate a lower launch and minimal spin rates.



## 400 SERIES IRONS

MODEL	TYPE	FLEX	LAUNCH	TORQUE	WEIGHT	BUTT	TIP	LENGTH
400ILAR	Iron	LAR	Mid	3.5	80g	.600"	.370"	44"
400IARS	Iron	ARS	Mid	3.5	80g	.600"	.370"	44"
400IRSX	Iron	RSX	Mid	3.5	80g	.600"	.370"	44"

Our new 400 Series MultiFlex composite shaft technology will deliver 50 full flex increments from a series of three specially designed iron shafts. Following the Professional Clubmakers Society flex conventions, you can build from a 2.5 all the way up to a 7.5. Featuring filament wound construction, the new 400 Series provides exceptional concentricity for superb impact repeatability. Add in the consistency of a filament wound design and you have the ideal shaft for frequency matching. The mirror chrome finish with the midnight blue logo makes this shaft look as great as it feels!

*Technical Note: All 400 series iron shafts exhibit a CPM tolerance of  $\pm 2$  CPM*

## 500 SERIES IRONS

MODEL	TYPE	FLEX	LAUNCH	TORQUE	WEIGHT	BUTT	TIP	LENGTH
500IRSX	Iron	RSX	Mid	2.0	105g	.600"	.370"	42.50"

Our 500 Series MultiFlex steel shaft technology will deliver 20 plus flex increments from a specially engineered master shaft. Following the Professional Clubmakers Society flex conventions, you can build from a 4.4 all the way up to a 6.7 with our proprietary shaft system. Using a light weight alloy, a unique step pattern and extra long parallel tip section, the 500 Series is the ideal shaft for players transitioning from heavy weight steel into a lighter weight technology without sacrificing dispersion control with their iron play.

### 400 SERIES TECHNICAL DATA

LAR Flex	2.6	2.9	3.1	3.4	3.6	3.9	4.1
Tip Cut @ 3 Iron	0"	.5"	1"	1.5"	2"	2.5"	3"
ARS Flex	4.2	4.5	4.8	5.0	5.2	5.4	5.7
Tip Cut @ 3 Iron	0"	.5"	1"	1.5"	2"	2.5"	3"
RSX Flex	5.7	6.0	6.3	6.5	6.8	7.1	7.4
Tip Cut @ 3 Iron	0"	.5"	1"	1.5"	2"	2.5"	3"

NOTE: The above listed PCS flex conventions are based on a 5" butt clamp using a 39" 3 iron with a head weight of 241 grams. Increments between clubs are 1/2" with the 9, PW, GW and SW the same length. All trimming information is provided as a guideline and actual result may vary depending on head weights, finished club lengths and other variables.

### 500 SERIES TECHNICAL DATA

LAR Flex	4.5	4.8	5.0	5.3	5.5	5.8	6.0	6.3	6.5
Tip Cut @ 3 Iron	0"	.5"	1"	1.5"	2"	2.5"	3"	3.5"	4"

NOTE: The above listed PCS flex conventions are based on a 5" butt clamp using a 39" 3 iron with a head weight of 241 grams. Increments between clubs are 1/2" with the 9, PW, GW and SW the same length. All trimming information is provided as a guideline and actual result may vary depending on head weights, finished club lengths and other variables.



400 Series Irons

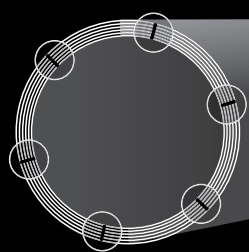
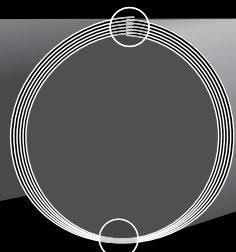
500 Series Irons

## MATCHING ITEMS

Swing Science  
Cup Face 460cc DriverSwing Science  
200 Series Fairway WoodsSwing Science  
200 Series Hybrid

## HEX 360

## Typical Graphite Shafts

GRAPHITE CLOCKED END-TO-END  
IN A HEXAGON PATTERN PROVIDES  
A UNIFORM WALL STRUCTUREGRAPHITE PLACED IN AN  
OVERLAPPING PATTERN LEADS TO  
AN UNEVEN WALL STRUCTURE

## HEX 360

MODEL	TYPE	FLEX	LAUNCH	TORQUE	WEIGHT	BUTT	TIP	LENGTH
HEX360 55	Driver	Multi	High	4.5	60g	.585"	.335"	47"
HEX360 65	Driver	Multi	Mid/High	4.0	65g	.600"	.335"	47"
HEX360 75	Driver	Multi	Mid	3.5	75g	.610"	.335"	47"
HEX360FWA	Fairway	A	Mid	3.5	70g	.605"	.335"	44"
HEX360FWR	Fairway	R	Mid	3.5	70g	.605"	.335"	44"
HEX360FWS	Fairway	S	Mid	3.5	70g	.605"	.335"	44"
HEX360HYA	Hybrid	A	Mid	3.0	80g	.605"	.370"	41"
HEX360HYR	Hybrid	R	Mid	3.0	80g	.605"	.370"	41"
HEX360HYS	Hybrid	S	Mid	3.0	80g	.605"	.370"	41"

Swing Science is pleased to introduce its brand new HEX 360 high performance wood shaft. Using a 360 degree hexagon sheet wrapping process, our engineers were able to create a highly uniform wall structure for added consistency. In addition, the HEX 360 has a reinforced butt section using a filament winding braiding technique which adds strength and stability under the hands reducing shaft deformation during the down swing. The result is a highly responsive wood shaft that lends itself to both feel and control.

## HEX 360 Driver



## HEX 360 Fairway



## HEX 360 Hybrid



## CUSTOM FIT SERIES vf

MODEL	TYPE	FLEX	LAUNCH	TORQUE	WEIGHT	BUTT	TIP	LENGTH
VFIA	Iron	A	High	3.5	80g	.600"	.370"	40"
VFIR	Iron	R	High	3.0	80g	.600"	.370"	40"
VFIS	Iron	S	High	3.0	80g	.600"	.370"	40"
VFWA	Wood	A	High	4.5	83g	.595"	.335"	46"
VFWR	Wood	R	High	4.0	83g	.595"	.335"	46"
VFWS	Wood	S	High	4.0	83g	.595"	.335"	46"

## MATCHING ITEMS



The workhorse of our Custom Fit Series, the brand new vf or "Value Fit" shaft is head and shoulders above other economy products. A filament wound design insures excellent wall symmetry and superb impact repeatability. Frequency builders will appreciate the consistency of this product particularly in the irons. Black and silver cosmetics using a mirror chrome finish make the vf an excellent choice with most club head designs. When it comes to price, performance and esthetics, the vf is at the head of the class!



## CUSTOM FIT SERIES moi

MODEL	TYPE	FLEX	LAUNCH	TORQUE	WEIGHT	BUTT	TIP	LENGTH
MOIWA	Wood	A	Low	3.5	60g	.585"	.335"	46"
MOIWR	Wood	R	Low	3.5	62g	.590"	.335"	46"
MOIWS	Wood	S	Low	3.5	64g	.595"	.335"	46"

This special MOI shaft was designed specifically to reduce head twisting at impact caused by today's over size driver heads. This is accomplished by engineering a shaft with lower torque properties that is stable in the butt and tip sections while still providing the golfer with valuable feedback. The shaft's unique profile ensures the ideal balance between control, power, and feel, making our new moi design a great complement for driver heads of all shapes and sizes!







## CUSTOM FIT SERIES fm IRON

MODEL	TYPE	FLEX	LAUNCH	TORQUE	WEIGHT	BUTT	TIP	LENGTH
FMILAR	Iron	LAR	Mid	3.0	90g	.600"	.370"	44"
FMIARS	Iron	ARS	Mid	3.0	90g	.600"	.370"	44"
FMIRSX	Iron	RSX	Mid	3.0	90g	.600"	.370"	44"

These are not your ordinary golf shafts! These versatile iron shaft feature a hybrid construction process in which the core of the shaft is sheet wrapped and the outer layer is filament wound. By using a sheet wrapped core, the designer is able to control the movement of frequency during tip trimming. The filament wound outer layer then lends itself to superb wall symmetry and overall consistency. The fm iron shaft has an 8" parallel tip section for maximum frequency customization.

## MATCHING ITEM



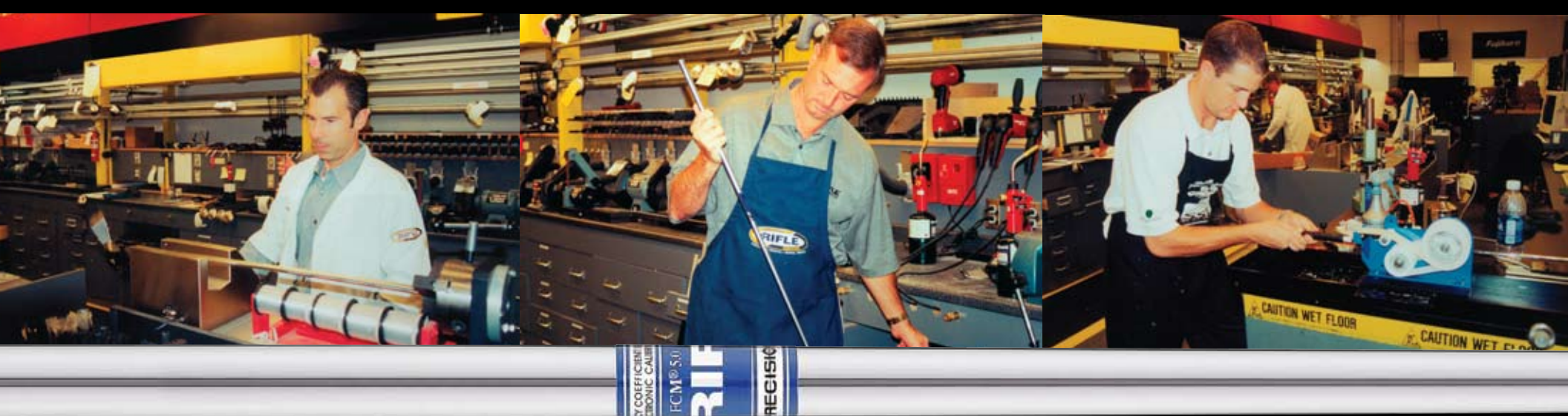
## TECHNICAL DATA

LAR Flex	2.5	2.8	3.1	3.5	3.8	4.1	4.4
Tip Cut @ 3 Iron	0"	.5"	1"	1.5"	2"	2.5"	3"

ARS Flex	3.5	3.8	4.1	4.5	4.8	5.1	5.4
Tip Cut @ 3 Iron	0"	.5"	1"	1.5"	2"	2.5"	3"

RSX Flex	4.5	4.8	5.1	5.5	5.8	6.1	6.4
Tip Cut @ 3 Iron	0"	.5"	1"	1.5"	2"	2.5"	3"

NOTE: The above listed PCS flex conventions are based on a 5" butt clamp using a 39" 3 iron with a head weight of 241 grams. Increments between clubs are 1/2" with the 9, PW, GW and SW the same length. All trimming information is provided as a guideline and actual result may vary depending on head weights, finished club lengths and other variables.



**RIFLE CENTER**  
HIGH PERFORMANCE SHAFTS

## CERTIFIED RIFLE CENTER PROGRAM

With over 500 Rifle Centers worldwide this is your opportunity to become part of an exclusive network of Certified Rifle Centers who will have direct access to the proprietary Rifle FCM Blank System. With the Rifle blank system you will be able to make your own sets of Rifle, Rifle Flighted and Rifle Spinner Wedges just to name a few products. Additionally, you will be able to build to precise frequency targets while simultaneously customizing the launch condition for a given golfer.

## FCM RIFLE BLANK SYSTEM

The Rifle blank system is the most versatile steel shaft in golf. Available in 7 unique profiles, each blank will allow the clubmaker to achieve 20 separate frequencies. Add in the fact that there are an infinite number of trajectories that you can achieve with each blank and you have the ultimate system for custom club fitting.

To reserve your space in one of our upcoming workshops, you can register for the program at [riflecenter.com](http://riflecenter.com). Once registered, you will be required to order a total of 50 Rifle blanks in various frequencies to confirm your participation. Our CRC staff will assist with your order placement to optimize your inventory selection.

It is important to note that this is a Certification Program and you will be required to take a Certification Test which includes both written questions and the building of a demo club. All test materials are handed out at the conclusion of the program and are expected to be completed within 15 days of the workshop. Upon the successful passing of the Certification Test, you will receive an official Certificate direct from the manufacturer.

Other benefits of becoming a Certified Rifle Center include the availability of products that are exclusive to the network.

Other benefits of participating in the program:

- Learn the mystery of how to properly fit golfers with Rifle products
- Discover the magic of Rifle Project X, the fastest growing shaft on the PGA Tour
- Differentiate your shop and market your business as a Certified Rifle Center
- Your shop will become eligible for special pricing on all Rifle products
- Receive customer referrals from the Rifle Center web site at [riflecenter.com](http://riflecenter.com)



## UST TOUR SHOP PROGRAM

Welcome to the most innovative concept in clubmaking! UST continues to be a dominant force on the PGA Tour with dozens of shafts in play every week, many of which are unique Tour Designs and or prototypes not available to the general public. The UST Tour Shop Program will give you the professional clubmaker direct access to the UST Tour Department and allow you to fit above average golfers with the same shafts that are played on the PGA Tour.

### Program Benefits

- Dealer listing on the UST Tour Shop web site
- Favorable pricing on all UST products
- Participate in pre-launch programs on new UST products
- Eligible for Quarterly UST Promotions



Over forty years of relentless R&D have made Nippon Shaft the leader in lightweight steel shafts and have given the N.S.PRO Steel Series a level of quality unmatched by the industry. Today, more than 60 touring pros worldwide, including some of golf's biggest names, have put Nippon Shaft in their bag. With the N.S.PRO series and others, Nippon Shaft has established a new quality standard that has others in the industry playing catch-up. Nippon's commitment to excellence in the design and manufacture of steel and graphite shafts for professional and amateurs alike remain a hallmark of Nippon Shaft and why Swing Science is proud to be associated with this industry leader.



## NIPPON N.S. PRO 8950GH

MODEL	TYPE	FLEX	LAUNCH	TORQUE	WEIGHT	LENGTH
8950A	Iron	A	Mid	2.0	94.5	39-35.5"
8950R	Iron	R	Mid	1.9	98	39-35.5"
8950S	Iron	S	Mid	1.6	104	39-35.5"

From the leaders in premium light weight steel technology, Nippon Shaft introduces the brand new N.S.PRO 8950GH designed specifically for the custom clubmaker and sold exclusively through Swing Science.

Manufactured using the same alloys, proprietary heat treatment and quality control standards as the N.S.PRO 950GH. The 8950 features a firmer flex profile than typical Nippon products making it ideal for the North American golfer. A slightly lower balance point allows clubmakers to maintain swing weights using light weight steel and constant weight technology insures exceptional feel throughout the set of irons.





## TOUR CONCEPT PROGRAM

The Tour Concept program was introduced to custom clubmakers in 2003 in order to bridge the gap between the PGA Tour and the better player. By offering premium tour-quality products to the discriminating golfer, the serious player can now use the same technology played at the highest level of competition. These products utilize exotic, proprietary materials, and feature playability characteristics that top Tour Players trust with their games.

These shafts represent the pinnacle of high performance golf equipment and are available only through an Authorized Tour Concept Club Fitter. Tour Concept Club Fitters have demonstrated a level of excellence and professionalism that ensures these state of the art shafts will be fine tuned and properly fitted to your individual game.

Swing Science is pleased to be the exclusive distributor for Tour Concept products and administrators for the Tour Concept Program. If your shop focuses on high end custom fittings and you would like more information on becoming a Tour Concept Club Fitter, then contact our Tour Concept Program Director at 800.783.0196 to find out if your shop meets our program qualifications.

### BLACK GOLD

MODEL	TYPE	FLEX	LAUNCH	WEIGHT	TIP	BUTT	LENGTH
Black Gold	Iron	R	Mid	128g	.370"	.600"	41" Master
Black Gold	Iron	S	Mid	133g	.370"	.600"	41" Master
Black Gold	Iron	X	Mid	135g	.370"	.600"	41" Master



Black Gold introduces Frequency Tuned™ technology. Incorporating True Temper's proprietary "Gold" manufacturing process, each critical shaft parameter is held to unparalleled standards resulting in the first shaft ever to combine pinpoint frequency specification with exacting weight tolerances and balance for unmatched repeatability and consistency.



### DYNAMIC GOLD TOUR X7

MODEL	TYPE	FLEX	LAUNCH	WEIGHT	TIP	BUTT	LENGTH
Dynamic Gold Tour	Iron	X7	Low	132g	.355	.600"	41" - 37"

True Temper shafts have dominated the world of golf for the past 60 years. Leading that charge has been the Dynamic Gold iron shaft. The Dynamic Gold Tour continues that tradition with a stronger, lower trajectory version of the Dynamic Gold designed specifically for Tour Players.



### TOUR CONCEPT IRON *(Painted, Satin and Chrome)*

MODEL	TYPE	FLEX	LAUNCH	WEIGHT	TIP	BUTT	LENGTH
Tour Concept	Iron	R300	Variable	126g	.355"	.600"	41" - 37"
Tour Concept	Iron	S300	Variable	126g	.355"	.600"	41" - 37"
Tour Concept	Iron	X100	Variable	126g	.355"	.600"	41" - 37"

The genius of the Tour Concept iron shaft is found in its variable tip control design which produces Long irons that get in the air easily, Mid irons that offer a moderate, piercing trajectory, and Short irons that feature a flat, controlled ball flight for optimal accuracy. In addition, the "Painted" version features a cutting-edge, glare-reducing coating for improved shot focus and concentration.



### M80

MODEL	TYPE	FLEX	LAUNCH	WEIGHT	TIP	BUTT	LENGTH
M80	Iron	0	High	84g	.355/.370	.580"	39" - 35"
M80	Iron	1	High	86g	.355/.370	.600"	39" - 35"
M80	Iron	2	High	87g	.355/.370	.600"	39" - 35"

Constructed from True Temper's proprietary super-strength S3 alloy, M80 features a unique combination of materials and design to manufacture this superlight, incredibly responsive golf shaft. This revolutionary shaft is the lightest alloy shaft ever produced and is the perfect choice for current graphite shaft users seeking ultra lightweight playability with superior feel and shot consistency.

## GRAFALLOY TOUR SERIES

MODEL	TYPE	FLEX	LAUNCH	WEIGHT	TORQUE	TIP	BUTT	LENGTH
Grafalloy Tour	Wood	R	High	63g	3.8	.335"	.600"	46"
Grafalloy Tour	Wood	S	High	65g	3.8	.335"	.600"	46"
Grafalloy Tour	Wood	R	Mid	66g	3.1	.335"	.605"	46"
Grafalloy Tour	Wood	S	Mid	66g	3.1	.335"	.605"	46"
Grafalloy Tour	Wood	X	Mid	66g	3.1	.335"	.605"	46"
Grafalloy Tour	Wood	S	Low	64g	3.3	.335"	.605"	46"
Grafalloy Tour	Wood	X	Low	64g	3.1	.335"	.600"	46"

The most successful ultralight composite shaft in the history of the PGA Tour. With over 75 worldwide victories to its credit, the Grafalloy Tour features Tour-Proven design features that include an ultra low-torque tip section that creates a boring trajectory. Building on the success of the Grafalloy Tour Low Launch, a Mid Launch and High Launch have been introduced with launch angles that cater to a broader spectrum of golfers.

## ProLaunch BLUE TOUR *w/Smart-Ply Technology*

MODEL	TYPE	FLEX	LAUNCH	WEIGHT	TORQUE	TIP	BUTT	LENGTH
Blue Tour 65	Wood	R	Mid	64g	3.0	.335"	.600"	46"
Blue Tour 65	Wood	S	Mid	64g	2.8	.335"	.600"	46"
Blue Tour 65	Wood	X	Mid	64g	2.8	.335"	.600"	46"
Blue Tour 75	Wood	R	Mid	75g	2.9	.335"	.600"	46"
Blue Tour 75	Wood	S	Mid	76g	2.9	.335"	.600"	46"
Blue Tour 75	Wood	X	Mid	78g	2.9	.335"	.600"	46"

The active fiber interface system designed into every ProLaunch Tour shaft reacts to the individual load profile, thus eliminating unwanted shaft compression for unrivaled power and accuracy. Specialized carbon fiber orientation consistently delivers all of the stored energy from your swing to the ball at impact optimizing distance and shot dispersion. The advance technology in this ProLaunch Tour Series delivers repeatable mid to low trajectory with reduced spin for explosive drives.

## AXIS

MODEL	TYPE	FLEX	LAUNCH	WEIGHT	TORQUE	TIP	BUTT	LENGTH
Axis	Wood	R	Mid/Low	76g	2.9	.335"	.600"	46"
Axis	Wood	S	Mid/Low	78g	2.8	.335"	.600"	46"
Axis	Wood	X	Mid/Low	81g	2.8	.335"	.605"	46"
Axis	Wood	TX	Mid/Low	83g	2.8	.335"	.605"	46"
Axis	Wood	S	Low	89g	2.5	.335"	.600"	46"
Axis	Wood	X	Low	94g	2.5	.335"	.605"	46"

The most sophisticated high-performance graphite shaft ever developed, Axis features an intricate design that is the most heavily researched and tested in the history of golf. Axis features Smart-Ply™ technology that utilizes fiber oriented along multiple axes to improve shaft hoop stiffness and flex consistency. The result is the strongest, longest shaft Grafalloy has ever created.

## ProLaunch RED TOUR *w/Smart-Ply Technology*

MODEL	TYPE	FLEX	LAUNCH	WEIGHT	TORQUE	TIP	BUTT	LENGTH
Red Tour 65	Wood	R	Mid	62g	3.0	.335"	.600"	46"
Red Tour 65	Wood	S	Mid	64g	3.0	.335"	.600"	46"
Red Tour 65	Wood	X	Mid	66g	3.0	.335"	.600"	46"
Red Tour 75	Wood	S	Mid	76g	3.0	.335"	.600"	46"
Red Tour 75	Wood	X	Mid	77g	3.0	.335"	.600"	46"

The active fiber interface system designed into every ProLaunch Tour shaft reacts to the individual load profile, thus eliminating unwanted shaft compression for unrivaled power and accuracy. Specialized carbon fiber orientation consistently delivers all of the stored energy from your swing to the ball at impact optimizing distance and shot dispersion. The advance technology in this ProLaunch Tour Series delivers repeatable mid to low trajectory with reduced spin for explosive drives.

## GRAFALLOY PROTOTYPE 1027

MODEL	TYPE	FLEX	LAUNCH	WEIGHT	TORQUE	TIP	BUTT	LENGTH
Proto 1027	Wood	X	Low	76g	3.2	.355"	.600"	46"

A popular tour weight shaft that creates a penetrating ball flight, the 1027 Proto was designed for players who can over power standard X flex golf shafts.

## C-NOTE TOUR

MODEL	TYPE	FLEX	LAUNCH	WEIGHT	TORQUE	TIP	BUTT	LENGTH
C-Note Tour Hybrid	R	Mid	81g	2.0	.370"	.600"	41"	
C-Note Tour Hybrid	S	Mid	83g	2.0	.370"	.600"	41"	
C-Note Tour Hybrid	X	Mid	85g	2.0	.370"	.600"	41"	
C-Note Tour Hybrid	S	Mid/Low	103g	2.0	.370"	.600"	41"	
C-Note Tour Hybrid	X	Mid/Low	108g	2.0	.370"	.600"	41"	

The C-Note offers steel like torque ratings with the dampening benefit of graphite. A mid to low launch works well with higher lofted hybrids and minimizes ballooning shots. When coupled with lower lofted hybrids, the C-Note promotes longer total distance for hitting hard to reach greens.

# THE TOUR'S SECRET WEAPON REVEALED...



What do you get when you combine cutting-edge technology with a dedicated design philosophy?

**The tour-proven Project X.**

With variable wall thickness and taper rates that have been optimized from flex to flex and club to club, Project X delivers a unique feel, tip stability and unmatched ball control. Now that the tour's secret weapon is revealed, the most comprehensive shaft design can be a part of your game arsenal, too.

**PROJECT X**



### Project X Flighted



### Project X



### Project X Hybrid



### Rifle Flighted



### Rifle



### Rifle Spinner



## RIFLE

### Project X Flighted

Project X Flighted goes one step further than standard Project X by refining the ball flight in both the long irons and short irons to enhance the trajectory for increased control. Higher and softer long irons, and lower and hotter short irons is what you can expect from the brand new Project X Flighted.

### Project X

A proven winner on the PGA Tour, Project X features a different constant taper per inch for each shaft in the set making each shaft customized for every club in your bag. By far, the most sophisticated shaft in golf, longer taper rates result in more energy transfer to the ball, a quicker launch, and a hotter more penetrating trajectory often preferred by stronger players.

### Project X Hybrid

Designed for the better player looking for total control out of their hybrid club, X Hybrid provides the same weight and feel of standard weight steel giving the better player a consistent feel throughout the set. A special 2 shaft system will fit hybrid clubs ranging from 14 to 28 degrees.

### Rifle Flighted

A revolutionary concept called Flex Distribution technology and perfected on the PGA and European PGA Tours. Rifle Flighted delivers a higher launch in the long irons, standardized trajectory in the mid irons and a lower launch in the short irons. Ideal for the better player who can control their ball flight, Rifle Flighted is guaranteed to deliver more precision with your iron game!

### Rifle

Considered the most efficient shaft in the golf, the Rifle design provides excellent shot dispersion and accuracy, with its unique design acting as a natural shock absorber. What's more, the Rifle shaft also features "Frequency Matching" pioneered by Precision to give a set of irons a consistent feel from club to club within a full set of irons.

### Rifle Spinner

Engineered with a unique bend profile with the scoring clubs in mind, the Spinner wedge shaft is designed specifically for the sand, gap and lob wedges. An increase in the parallel tip section allows the Rifle Spinner to add feel and spin to those all important touch shots inside of 100 yards.

# TRUE TEMPER

## GS75



## Dynamic Gold SL



## Dynalite Gold SL



## Dynamic Gold High Launch



## Dynamic Gold



## Dynalite Gold



## TT Lite XL



## GS 75

The GS75 is the lightest steel alloy golf shaft in the world. At less than 80 grams trimmed weight\*, the GS75 is over 15% lighter than the lightest steel shafts made today. Building on the proprietary S3 super strength steel technology platform, the GS75 super lightweight steel iron shaft's responsive tip section maximizes peak trajectory, distance, power, and feel.

## Dynamic Gold SL

Introducing the Revolutionary New Dynamic Gold Superlite. Look closely and you will see the same heritage, performance and consistency of the most celebrated shaft in the history of professional golf... Dynamic Gold. However at 20% lighter, Dynamic Gold SL combines identical playability and feel of the original Dynamic Gold with the performance advantages of a Superlite design.

## Dynalite Gold SL

Dynalite Gold SL's tip responsive design promotes a high ball flight to optimize trajectory for lower ball hitters. The shaft offers the same incredible benefits of increased ball speed, added distance and less fatigue found only in the SL series of shafts by True Temper.

## Dynamic Gold High Launch

Dynamic Gold High Launch is crafted from the tour-proven heritage of the most successful golf shaft of all time. Engineered to help every golfer conquer the most challenging golf landscapes, High Launch boasts an increased launch angle delivering maximum sustained trajectory, distance, and Gold Standard control.

## Dynamic Gold


The #1 shaft in golf. This high-flex, tour weight shaft is designed for skilled players seeking a low, penetrating ball flight for optimum control and accuracy. Featuring constant weight technology in taper tip irons and descending weight technology in parallel tip irons. Also available in .335" woods.

## Dynalite Gold

One of the most popular True Temper shafts of all time! The softer tip profile of Dynalite Gold produces a higher ball flight preferred by mid to high handicappers and low ball hitters. The lightweight properties make it the perfect choice for anyone looking for a balance between ultra lightweight and standard weight steel.

## TT Lite XL

The clubmaker's favorite! The mid-flex, longer length design of TT Lite XL is a great choice for custom fitting. Longer length combination flex shafts provide more versatility for the professional clubmaker.

The image features three golf shafts on the left side, each with a gold band labeled 'Dynamic Gold' and 'SL' or 'HIGH LAUNCH'. On the right, a large, semi-transparent world map is overlaid on a light background. The text is centered over the map.

# #1 ON TOUR... #1 IN THE WORLD

**THE MOST MAJORS WON. THE MOST TROPHIES KISSED.**

THE WINNINGEST SHAFT IN THE HISTORY OF GOLF. THIS IS DYNAMIC GOLD'S LEGACY. PERFECTED ON THE COURSE AND PROVEN ON PROFESSIONAL TOURS WORLDWIDE. THE DYNAMIC GOLD FAMILY HAS GROWN TO INCLUDE DYNAMIC GOLD HIGH LAUNCH, OFFERING A HIGHER LAUNCH TRAJECTORY FOR MAXIMUM DISTANCE, AND DYNAMIC GOLD SL, 20% LIGHTER FOR IDENTICAL PLAYABILITY BUT WITH THE ADDED POWER OF A SUPERLITE DESIGN.

**DYNAMIC GOLD.**

**THE WORLD'S GOLD STANDARD FOR STEEL SHAFTS.**

**TRUE TEMPER®**  
THE #1 SHAFT IN GOLF





## TOUR AD: THE **Q**UEST FOR PURE DISTANCE AND PERFECT ACCURACY CAN ONLY BE FOUND IN GRAPHITE DESIGN SHAFTS

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4 Axis weave material, new technology for 2008, will provide the 4 parameters needed to achieve the **Q**uest. The shaft is strategically designed to optimize your launch angle, maximize your spin rate and guarantee **PURE DISTANCE** and **PERFECT ACCURACY**.

...INTRODUCING **YSQ**



## TOUR AD - THROTTLE



## YSQ ST



## YSQ



## PERSHING



## YS+ SERIES



## Aura Red



## Aura Gold



## Aura Blue



## Aura Green



# GRAPHITE DESIGN

## THROTTLE

The Tour AD Throttle bend profile suits the accomplished golfer seeking a tour-like penetrating trajectory. Moreover, the stiff tip and high bend point accommodates the "early releaser" or the "quick tempo power loader". A 47" design attracts long-drive enthusiasts that prefer an extended length driver for increased clubhead speed that will "stay with them".

## YSQ ST

The newest addition to the YSQ family is the YSQ ST which shares the same 4 axis material which minimizes shaft deformation during the down swing, but with a firmer, more Stable Tip. The new ST is ideal for stronger players looking for a "Tour Type" trajectory.

## YSQ

The YSQ shaft is manufactured with an advanced 4 axis material discovered by Graphite Design. This material offers the ultimate shaft stability for today's high volume drivers. The 4 axis weave eliminates shaft deformation making it the perfect match for superior distance and marksmen like accuracy.

## PERSHING

Pershing shafts are manufactured using Graphite Design's proprietary concept called MSI. MSI is a GDI design philosophy of Material Stiffness Integration. MSI creates fibers that enhance feel and shaft dynamics during the entire golf swing making the Pershing ideal for golfers of all skill levels.

## YS+ Series

The YS+ Series delivers universal performance characteristics that have made it the preferred shaft worldwide. Golf balls are now designed to spin less and this shaft will optimize launch conditions. This optimization achieves better accuracy and longer distances shots.

## Aura Red (Pro Launch)

This 47" stiff tip profile produces a flatter "tour-preferred" launch and can be built to longer lengths for optimum launch and distance. The low torque and 70 gram profile suits the golfer with 100+ swing speeds.

## Aura Gold (Mid Launch)

AURA GOLD produces a medium launch for the avid player. An ideal shaft choice for the player looking to lower the launch of their tee shot while maximizing distance without compromising accuracy.

## Aura Blue (High Launch)

AURA Blue is designed for the player in search of a higher launch angle and spin combination. The brilliance of this profile is the power produced by a smooth load and supple tempo to increase distance. (Also Available in Hybrid and Iron)

## Aura Green (Ladies)

AURA ladies driver, fairway, hybrid, and iron, represent consistency and playability with an optimum high launch design. Each profile in GREEN is designed for below average swing tempos and club head speeds.



# UST

## AXIVCore Blue



## AXIVCore Tour Black



## AXIVCore Tour Red



## V2 High Launch



## V2 & V2 Long Drive



## Proforce Woods



## Proforce Lady



## IROD



## Frequency Filter Putter



### AXIVCore Blue

AXIVCore Blue integrates a true weave — 4-axis material — within the inner walls of the butt section that provides stability and consistent shaft recovery. The Blue Series' active tip section provides a higher launch for longer carry distance, and is available in multiple weights and flexes. (also available in a hybrid)

### AXIVCore Tour Black

The all new AXIV Core Tour Black incorporates 4 Axis High Modulus Materials that lends itself to ultra low torque and tour type tolerances. A counter-balanced feature reduces club heft for increased club head speed while producing a higher launch angle and lower spin rates. (also available in a hybrid)

### AXIVCore Tour Red

The all new AXIV Core Tour Red is designed specifically for players with above average ball speeds who prefer a penetrating ball flight in conjunction with a stable feeling in the hands. A counter-balanced feature combined with a stronger middle and tip section allows for higher ball speeds and a lower launch for the stronger player.

### Proforce V2 High Launch

The Proforce V2 High Launch shafts were designed with the same performance profile as the standard V2, however, the High Launch version offers a higher ball flight, a slightly higher torque level and optimized spin for players looking to carry the ball further with a tighter shot dispersion.

### Proforce V2

It's an incredible, powerful, super low-torque golf shaft straight from the Tour. The secret is a masterful design that balances torque, weight, spin and launch angle to create the most extraordinary power-to-torque ratio in golf. (also available in a long drive shaft, hybrid and irons)

### Proforce

The Proforce tip technology provides enhanced ball speed and a penetrating ball flight, while its low torque properties stabilizes the clubhead during impact and helps the golfer present the club back to the ball in a consistent fashion. (also available in irons)

### Proforce Lady

Lightweight graphite shafts engineered especially for lady golfers. Stable tip and lower torque provide the same great playing characteristics of the popular Proforce brand, but in a more user friendly bend profile specifically for women golfers. (also available in irons)

### IROD

IROD Hybrid Fairway shafts combine feel and control with a tip specific design for tighter shot dispersion and distance control on fairway shots. IROD Hybrid Utility shafts provide a tip section specifically designed to compliment the new hybrid-type heads with launch angle and distance control.

### Frequency Filter Putter

This radically new putter shaft is designed to significantly improve the ability of all golfers to perceive or feel where ball impact occurs on the face. This instantaneous feedback results in improved putting ability since the golfer learns to consistently stroke more putts on the sweet spot of the putter.



# LOOK A LITTLE CLOSER

*4-Axis Woven Carbon Fiber for Power, Stability and Feel*

Strands along the zero or longitudinal axis give the shaft added stiffness (power).

Strands along the bias or lateral axis control the shafts torque or resistance to twisting (control).

Strands along the bias or lateral axis control the shafts torque or resistance to twisting (control).

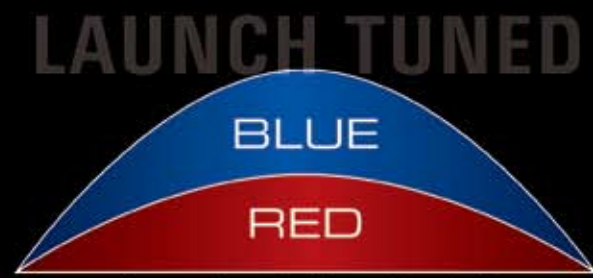
Strands along the circumference give the shaft added hoop strength for better shaft recovery (feel).

NEW FOR 2009



Introducing two NEW ways to add power to your game while keeping it in the fairway. ProLaunch Axis incorporates Smart-Ply™ technology, a revolutionary fiber orientation system, for increased consistency. The new design also utilizes Micro-mesh tip technology for enhanced stability and spin control. More power and accuracy? Already taken care of. Now you just have to pick which way you want to get there.

Explosive Power.  
Remarkably Straight.  
Two NEW Ways To Get There.



It's never been easier to find the perfect shaft for you. Featuring ProLaunch's launch-tuned technology, there is a trajectory-optimized ProLaunch Axis for every swing.

[WWW.GRAFALLOY.COM](http://WWW.GRAFALLOY.COM)

## EPIC



## ProLaunch Red & Blue w/Axis Technology



## ProLaunch Platinum



## ProLaunch Red



## ProLaunch Blue



## ProLite



# GRAFALLOY

### Epic

The R & D directive was to create a shaft technology combining the very best performance benefits of a steel shaft with the lightweight and feel advantages of graphite. Epic has shown to produce not only increased distance off the tee, but also delivers a 35% improvement in shot dispersion when compared to typical graphite shafts on the market today. (also available in a fairway wood and hybrid)

### ProLaunch Red and Blue w/Axis Technology

The new ProLaunch Axis combines multiple cutting edge technologies in one state-of-the-art design. Smart-Ply Technology features six unique cross-linked fiber axes producing extreme power, distance and accuracy. Integrated Micro-Mesh Tip Technology maximizes clubhead stability, responsiveness and spin control. And to match launch angles to each golfer's swing for optimum performance, ProLaunch Axis is offered in two launch-monitor-tuned models; Red for low and Blue for high launch conditions.

### ProLaunch Platinum w/Smart-Ply Technology

The active fiber interface system designed into every Platinum shaft reacts to the individual load profile, thus eliminating unwanted shaft compression for unrivaled power and accuracy. Specialized carbon fiber orientation consistently delivers all of the stored energy from your swing to the ball at impact optimizing distance and shot dispersion. The advance technology in Platinum delivers repeatable mid to high trajectory with reduced spin for explosive drives. (also available in hybrids)

### ProLaunch Red

Developed for players seeking a flatter, more penetrating trajectory, ProLaunch Red combines the launch monitor tuned performance of ProLaunch technology combined with the key performance attributes from the original ProLite 35. (also available in a fairway wood, hybrid and irons)

### ProLaunch Blue

ProLaunch is the first golf shaft developed, designed, and tested, utilizing the latest in launch monitor technology in order to help golfers achieve optimal launch conditions for added distance. (also available in a fairway wood, hybrid and irons)

### ProLite 35 & ProLite 35 High Launch

ProLite 35 features a low-torque design ideal for golf's strongest players. The stiff-tip section helps promote a lower, more boring trajectory. The all new ProLite 35 HL provides a softer tip and mid section compared to the original design resulting in a higher launch shaft more suitable for the average golfer.



# MATRIX

## OZIK TP

Matrix OZIK TP-7, TP-7x, and TP-6 were born from our desire to bring together the world's finest materials, state-of-the-art design techniques, and obsessive craftsmanship, and to mesh them into "the only one" – the world's most unique performance golf shaft favored by today's rising stars on the PGA Tour..

## OZIK Altus Design

In early 2005, Matrix OZIK Altus may have been the first true high-launch, low-spin, and high ball-speed shaft ever created. In 2007, Altus got a facelift with the inclusion of new XCON technologies. Matrix OZIK XCON Altus Hybrid has quickly become one of the most widely used hybrid shafts on the PGA Tour.

## OZIK M2 Design

Now for 2008, M2 is expanded with the F6M2 wood shaft and the hM2 hybrid. The F6M2 provides a rare low spin, low launch option to better players comfortable in the mid-60 gram range (woods also available in F7M2 and F8M2). The hM2 hybrid is the only hybrid shaft made with full length Zylon and Visco-Elastic material.

## OZIK XCON

Matrix OZIK XCON (X-Axis Control) shafts are built for high-launch, low-spin ball flights. OZIK XCON 5, 6, 7, and the 8 Hybrid are made purely of carbon graphite and introduce new Matrix technologies DEA, GEF, and AVF.

## OZIK CODE

Matrix OZIK Code shafts are created for players that want OZIK XCON performance with a more traditional, low torque feel. Code-6 uses a built-in Boron "hinge" that helps create greater momentum. Code-7 and Code-8 are built for greater impact stability.

## OZIK TP



## OZIK ALTUS DESIGN



## OZIK M2 & hM2



## XCON



## CODE



# MATRIX

## SHAFTS

An American company, Matrix Shafts has been a leader in creating premium graphite golf shafts for 15 years. Being independently owned, Matrix enjoys total creative freedom to design and produce unique golf products with a compilation of materials and ideas from around the world. In use daily at Matrix Headquarters in Orange County, CA are the building blocks of the most advanced and precise golf shafts in the world: exotic materials from Japan, Sweden, and Russia; theoretical concepts from U.S. and Korean universities; and efficient design applications from the Matrix research team.

## MATRIX

### SHAFTS

#### PARTNER PROGRAM

Swing Science is pleased to announce its partnership with Matrix Shafts and the unveiling of the Matrix Partners Program. A Matrix Partner is defined as a full-time custom clubmaker with a Retail, Commercial or Mobile operation that is considered an "Authorized Test Center" for Matrix Shafts based on product offering and custom fitting experience.

The objective of the program is to create a technical environment for the golfing consumer to "Test Drive" Matrix products in an effort to optimize proper shaft selection for a specific player profile. All Matrix Partners utilize InterFit, an Interchangeable Shaft Fitting System introduced by the Swing Science technical team.

Entry into the program is limited to the first 100 qualified shops. Contact a Swing Science representative today and find out how to qualify for this exciting new clubmaker program!





Lamkin Grip is best known for having a driving obsession to make nothing less than the finest golf grips in the world. Every product - from the original Lamkin Leather wraps to the Perma-Wrap Classic, the renowned Crossline, and now the Dual Density Torsion Control - features the technical innovation and exacting performance standards that are the hallmarks of Lamkin. That's why Lamkin has been the chosen grip supplier for nearly every major club manufacturer, and the preferred grip of professional golfers worldwide.





### Performance Plus Series



PERFORMANCE PLUS



PERFORMANCE PLUS CORD

### Sting Free Series



STINGFREE CROSSLINE TOUR



STINGFREE CROSSLINE TOUR CORD



STINGFREE CROSSLINE TOUR GRAPHITE / YELLOW



STINGFREE CROSSLINE TOUR GRAPHITE / BLUE

### Crossline Tour Series



CROSSLINE TOUR



CROSSLINE TOUR CORD



CROSSLINE TOUR NAVY BLUE



CROSSLINE TOUR RED

### Crossline



CROSSLINE



CROSSLINE CORD



CROSSLINE BLACK



CROSSLINE BLACK CORD



CROSSLINE RED



CROSSLINE BLUE



CROSSLINE BRONZE UNDERSIZE



JUNIOR CROSSLINE



LADIES CROSSLINE BLUE

### Perma-Wrap



PERMA-WRAP CLASSIC



MIDSIZE PERMA-WRAP CLASSIC



OVERSIZE PERMA-WRAP CLASSIC



PERMA-WRAP

### TaylorMade Replacement Grips



TAYLORMADE ARROW



TAYLORMADE CROSSLINE



TAYLORMADE R7



TAYLORMADE BURNER LITE  
w/ Yellow & Silver



TAYLORMADE BURNER LITE  
w/ Red & Silver

### Putter Grips



CROSSLINE PADDLE



DEEP ETCHED PADDLE



JUMBO PUTTER



SEAMLESS POLYURETHANE JUMBO BLACK



SEAMLESS POLYURETHANE JUMBO BLUE

### Arthritic



ARTHRITIC

### Training Grips



MEN'S RH TRAINING GRIP



MEN'S LH TRAINING GRIP



LADIES TRAINING GRIP

### Lamkin Comfort Wrap



SEAMLESS POLYURETHANE BLACK



## SUPPLIES

### Brampton HF-100 Grip Tape Activator

Brampton Technology has developed a new NON-TOXIC grip solution. HF-100 is a special blend of Odorless Non-Toxic Activators and Tackifiers formulated to answer today's environmental demands. Appropriately called the "Grip Solution", HF-100 works with any double sided grip tape and allows for very effective grip installation at a use ratio of 50% current volume. HF-100 was engineered to have a slow evaporation rate which minimizes ventilation requirements and is recyclable and reusable.

### Brampton PRO-FIX Epoxy

PRO-FIX 5 & 10 is aimed at the "quick fix" market by providing full cure in only 10 minutes. Suitable for use at any repair facility or manufacturing site. PRO-FIX 20/20 was formulated with aerospace quality in mind. Ideal for all club manufacturing, 20/20 offers longer working life, a 20 hour full cure, and a very tough environmentally resistant bond.

### Grip Tape

Swing Science offers both solvent activated and water based grip tape including water activated tape strips. Our 2" water activated grip tape is a great buy since most competitors offer 18 yard rolls as opposed to our 36 yard roll. All these grip tapes work extremely well with Brampton's HF-100 Grip Tape Activator!



## LOCATIONS



### SWING SCIENCE ORLANDO

10501 S. Orange Ave.  
Unit 116  
Orlando, FL 32824

877.517.9464 Phone  
407.888.2688 Fax

### SWING SCIENCE INDIANAPOLIS

6828 Hillsdale Court  
Suite A  
Indianapolis, IN 46250

800.783.0196 Phone  
877.783.0196 Fax

## TERMS & CONDITIONS

### Shipping Policy

Swing Science emphasizes its same day shipping policy which includes same day shipping on all orders received by 4:00 PM EST. All product orders are shipped via UPS Ground service. Expedited services are available and customers with their own freight accounts can request orders to be shipped freight collect using their account number.

### Method of Payment

Swing Science takes all major forms of credit cards including American Express, Discover, MasterCard and Visa. Net 30 terms are available after completion and approval of a credit application. Note: All net 30 accounts will require a current credit card to be kept on file.

### Return Policy

All returns must be approved by our customer service team and receive an official Return Authorization number. Product that is returned in less than new condition may not qualify for a full refund. Swing Science makes its best effort to satisfy all and any product issues with its valued customer base.





S<sup>s</sup>

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