

W&W

What champions are made of

# Professionalism&Strength

Essentials for victory shooting power cutting through the wind created by win&win  
technology new epoch of upgraded accuracy and stability! Feel the speed and power of it!

**WIN&WIN CATALOG 2009**

[www.win-archery.com](http://www.win-archery.com)

## They got gold medals with Win&Win bow at World Championship

**2008**

**Beijing Olympics** Viktor RUBAN (men)

**World Cup Final** Justyna MOSPINIEK (women)

**World Cup 4th Series** Viktor RUBAN (men)

**World Cup 2nd Series** Romain GROUILLE (men)

**2007**

**10th European Annual Indoor Event in Nimes, France** Unruh, Lisa (women) Santana Plaza Ignacio (junior men)

**World Cup 1st Series & Korean Cup** Wang, Cheng Pang (men)

**World Cup 2nd Series** Michele FRANGILLI (men) Lee, Hye Yeon (women)

**World Cup 3rd Series** Kim Yeon Chu (men)

**World Cup 4th Series** Tyrempliov Baljinima (men) Banerjee Dola (women)

**15th Asian Championships** Wang, Cheng Pang

**IPC World Championships** Lee, Hong Gu (men W2)

**World Cup Final** Tyrempliov Baljinima (men) Banerjee Dola (women)

**2006**

**9th European Annual Indoor Event in Nimes, France** Amedeo TONELLI (men), Pascale LEBECQUE (JUNIOR WOMEN)

**20th Field Archery World Championships** Michele FRANGILLI (men)

**9th Junior Archery World Outdoor Championships** Romain GROUILLE (men)

**6th World University Archery Championships** LEE, Jong-young (men), TAGUMA Kiroko (women)

**2005**

**43rd Outdoor Target Archery World Championships** CHUNG, Jae-hun (men)

**5th World University Archery Championships** in Izmir KUO, Chen-wei (men)

**IPC World Archery Championships** LEE, Hong-gu (W2 CLASS MEN), LEE, Hwa-sook (STANDING CLASS WOMEN)

**Europeans Junior Championships**, Denmark Elena TONETTA (WOMEN)

**4th European Junior Field Championships**, Slovenia Carla FRANGILLI (WOMEN)

**3rd European Grand Prix Tournament** Elena TONETTA (WOMEN)

**2004**

**8th World Junior Archery Championships**, England JO, Eun-ji (WOMEN)

**5th World University Archery Championships**, Madrid LEE, Hyung-jung (WOMEN), KYE, Dong-hyun (MEN)

**2003**

**42nd World Championships** YUN, Mi-jin (WOMEN), Michele FRANGILLI (MEN)

**4th World University Archery Championships** KIM, Mun-jung (WOMEN), Jeff HENCKELS (MEN)

**2002**

**Field Archery World Championships** Michele FRANGILLI (MEN)

**2000**

**Sydney Olympics** YUN, Mi-jin (WOMEN)

**Junior World Championships** CHOI, Nam-ok (WOMEN), CHUNG, Soo-young (MEN)

**1999**

**World Championships** LEE, Eun-kyung (WOMEN), HONG, Sung-chil (MEN)

**1998**

**Junior World Championships** KIM, Nam-soon (WOMEN), OH, Jin-hyuk (MEN)

## THEY SET NEW WORLD RECORDS WITH WIN&WIN BOW

### WOMEN

**2001 - LEE, Hyun-Jung** 360pts (70M) **LEE, Hyun-Jung** 348pts (70M)

**2000 - JUNG, Chang-Sook** 1384pts (340/ 344/ 344/ 356) **Luts Wiese** 328pts (Carder 50M)

**CHOI, Nam-Ok** 1382pts (345/ 343/ 349/ 354) **CHUNG, Soo-young** 536pts (Junior 36 arrows)

**1999 - JUNG, Chang-sook** 1380pts (343/ 345/ 341/ 354)

### MEN

**2006 - CHUNG, Jaehun** 348 pts (70M)

**2002 - GHE, Dong-Hyun** 360pts

**2001 - OH, Kyu-Moon** 1379pts (332/ 343/ 344/ 360)

What champions are made of



**Professionalism  
and Strength**

GOLD medal at the 2008 Beijing

*What a Great Win!*

What Champions are made of  
Professionalism and Strength **W&W**



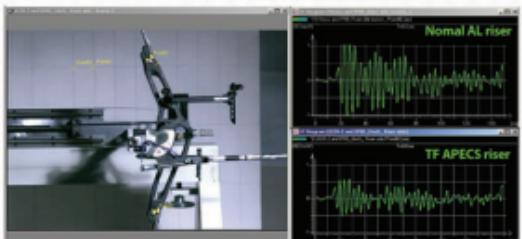
Gold medalist **Viktor RUBAN**  
2008 Beijing Olympic Medalist

# INSPIRATION! INGENUITY! INNOVATION! **TF APECS**

The history of riser development has been wood, magnesium and aluminum in order. Magnesium was considered a very important material because it is light, strong and absorbs shock and vibration extraordinarily. However, it could not stand against new developments such as carbon arrows, therefore strings and limbs broke easily. Aluminum came on as the alternative but it couldn't absorb shock and vibration enough. It was necessary to add too many dampeners or make it too heavy to reduce instability in shooting.

**The carbon riser improves all these problems and maximizes shooting stability.**

## ■ Role of a Carbon Riser vs an Aluminum Riser

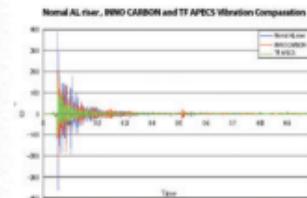


A carbon riser is one of the most accurate and stable risers available today. Carbon fiber is excellent in shock absorption and vibration reduction. The graph below illustrates the difference in shock, vibration and movement during the 0.15 seconds after the moment of the shot.

Top photo: Carbon Riser Bottom photo: Aluminum Riser  
The aluminum riser has at least twice the amount of movement of shock and vibration compared to the all carbon riser. This lesser movement not only reduces postural stability but it also affects the movement of the limb action.

## ■ Role of the NEW **TFS** \_ Torque Free System (patent pending) **TFS** gives you easy shooting and higher scoring.

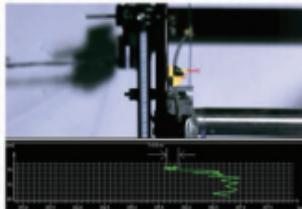
### 1) TFS makes for a smoother feel and a better damped shot



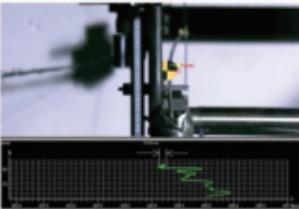
**TFS** gives better shock absorption and vibration reduction than even the common energy absorbing dampeners that are used today. The action of a typical damper becomes effective in 0.03 seconds after the arrow has left the bow. Although this is very good and the archer feels a big difference, the arrow is already beyond the end of the stabilizer. In other words, although the vibration reduction is felt by the archer, it does not have any influence on the flight of the arrow. **TFS** works to absorb the shock from the very moment when the limb energy strikes the riser. Not

only will the archer feel the shot with less vibration during the shot, it will give the archer a better feel while shooting the arrow. This will give the archer more confidence in their form which will attribute to higher scores.





Nominal AL riser



TF APECS riser

\* The marked area is amount of torque movement while the arrow is passing through the sight window.  
**TFS** reduce torque by more than half.

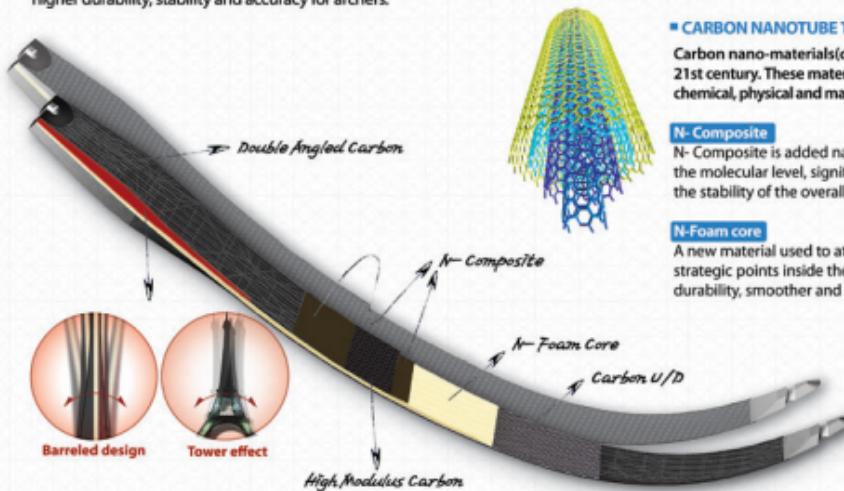
## 2) TFS reduces the torque by more than half!

During the shot, torque can be caused in several different ways, such as grip torque, release torque, postural torque, etc. All of the different types of torque effects arrow flight, mainly the left and right movement of the arrow. Although archer's paradox creates most of the left and right movement of the arrow, the little inconsistencies of torque causes a greater and/or lesser movement upon release. Once the nock leaves the string this torque creates a greater possibility of the fletching touching the arrow rest. This torque continues to interfere with the flight of the arrow until the arrow hits the target. Thus, there is a direct correlation with torque and performance scores. The most important role of TFS is to reduce torque by more than half as seen in the video clip. Therefore, **TFS gives you better arrow paradox consistency, better flight consistency and maximizes your scoring performance.**

## Stability! Accuracy! and Higher durability! 「N-Apecs」 & 「Apecs Prime」

**N-APECS with Nano technology which is only from WIN&WIN. The Most Stability, Most Accuracy and Most Durability Limbs.**

Carbon nanotubes infusion are the strongest and most stable substance known to exist. The superior mechanical properties of carbon nanotube resin produce stability, accuracy limbs with increased durability and shock resistance. WIN&WIN nanotechnology experts to develop molecularly bonded carbon nanotubes combined in the first bow ever. New N-APECS limbs provide higher durability, stability and accuracy for archers.



### ■ CARBON NANOTUBE TECHNOLOGY

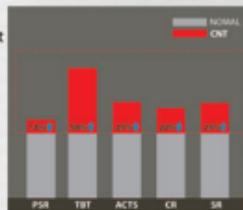
Carbon nano-materials(carbon nanotube and graphite nanofiber) are innovative materials in the 21st century. These materials that are as small as 1/10,000 of a human hair and superior mechanical, chemical, physical and magnetic properties have been being spotlighted as next-generation materials.

### N-Composite

N- Composite is added nano technology. This adjustment made at the molecular level, significantly strengthens and enhances the stability of the overall carbon matrix.

### N-Foam core

A new material used to attach the high modulus carbon in strategic points inside the limbs. Nanofoam core, provides a durability, smoother and enhanced overall feel.

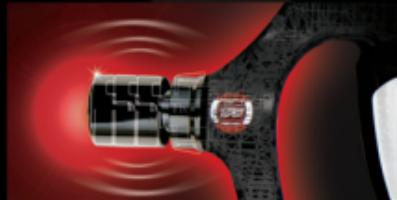


### ■ Barreled design / Tower effect: Patented WIN technology, #424568

Barreled bottom design creates innovative tower effect which means effective shock absorption during the shot and increased accuracy by removing unnecessary movement.

## TF APECS RISER

■ **TF System** ...Torque Free System (patent pending)



- 1) **TFS** makes for a smoother feel and a better damped shot
- 2) **TFS** reduces the torque by more than half!  
: **TFS** gives you better arrow paradox consistency, better flight consistency and maximises your scoring potential.

### ■ Designed by two carbon frames

The carbon riser improves to absorb shock and vibration and maximizes shooting stability. This structure ensures limb movement is stable and gives you more consistent of arrow groups

TF APECS	25inch
MATERIAL	Carbon
WEIGHT	1260g-1330g *Adjustable Weight
TYPE	RH/LH
COLOR	GLOSSY TYPE _ RED,ORANGE,BLUE,WHITE,BLACK MATT TYPE _ BLACK

## TF APECS RISER

Torque Free and Stability



GLOSSY RISER ➤ RED ORANGE BLUE WHITE BLACK

MATT RISER ➤ BLACK

# n-APECS LIMBS

Win&Win NANO technology



## n-APECS LIMBS

### ■ CARBON NANOTUBE TECHNOLOGY

#### **n- Composite**

n- Composite is added nano technology. This adjustment made at the molecular level, significantly strengthens and enhances the stability of the overall carbon matrix.

#### **n-Foam core**

A new material used to attach the high modulus carbon in strategic points inside the limbs. Nanofoam core, provides a durability, smoother and enhanced overall feel.

### ■ Tower Effect

Barreled bottom design creates innovative tower effect which means effective shock absorption during the shot and increased accuracy by removing unnecessary movement. (28-48 lbs)

# APECS PRIME LIMBS

PRIME WOOD CORE & NANO technology



## APECS PRIME LIMBS

### ■ Feeling the shot

The APECS PRIME Wood core limbs is designed allows the archer to focus on a stable feeling while at full draw and a sense of power right at the moment of executing the shot. This allows for a stronger focus of concentration and a very stable shot.

### ■ Tower Effect

Barreled bottom design creates innovative tower effect which means effective shock absorption during the shot and increased accuracy by removing unnecessary movement. (28-48 lbs)



## INNO CARBON RISER

### ■ Designed by two carbon frames

This structure ensures limb movement is stable and gives you more consistent of arrow groups

### ■ Accuracy

Maximized straightness and minimized twisting.

### ■ One touch center-shot adjustment system

You can adjust the center-shot simply without unstringing the bow

INNO CARBON	27inch	25inch	23inch
MATERIAL	Carbon	Carbon	Carbon
WEIGHT	1240g	1200g	1160g
TYPE	RH/LH	RH/LH	RH/LH
COLOR	Glossy Color_Red, Orange, Blue, Black Matt Color_Black		

## INNO POWER LIMBS

### ■ Tower Effect

Barreled bottom design creates effective shock absorption and increases accuracy by removing unnecessary movement

### ■ Kevlar hybrid foam

Kevlar added to the foam at intervals of 1 to 4mm maximizes both materials' advantages

### ■ Surprising effects of high modulus carbon&45degrees carbon system

Our 45 degrees carbon system increases shooting stability while protecting the carbon, reinforcing the riser and providing superior anti-twist properties.(28~48 lbs)

# PRO ACCENT BOW

THE SCIENCE OF SHOOTING FEELING



## PRO ACCENT CARBON RISER

Are you looking for a high performance riser with not big price tag? Then, It is the ideal solution **PROACCENT CARBON** riser made by hybrid carbon foam.

It is **designed by two carbon frames** like INNOCARBON riser so that it can maximize the strength of the carboniser greatly at the moment of shooting.

You can also adjust the center-shot simply without unstringing the bow. Check out the **PROACCENT CARBON** soon at your nearest Win&Win dealer or website at [www.win-archery.com](http://www.win-archery.com)

PROACCENT CARBON	25inch	23inch
MATERIAL	Hybrid Carbon	Hybrid Carbon
WEIGHT	1080g	1040g
TYPE	RH/LH	RH/LH
COLOR		

## PRO ACCENT LIMBS

CRS foam core maximizes the durability of the limbs and stability in shooting. It ensures the highest speed.

In addition, **high modulus carbon and 45 degrees carbon system** increases shooting stability while protecting the carbon, reinforcing the riser and providing superior anti-twist properties.

It is developed by **WIN&WIN (28~48 lbs)**

# WINEX BOW

WORLD CHAMPION'S CHOICE



## WINEX RISER

When you firstly pick up an **WINEX** riser, you know the feel of the grip, the balance smooth finish and stylish design are enough to convince you that **WINEX** is the appropriate riser for you. We have built into the **WINEX** our own dampening system- what we call CFDS – it takes all the shock, vibration, torque and noise out of the handle.

The **WINEX** is so stable and comfortable to shoot and with its 25" length, there is no lateral twisting. The handle weights 2.73 lbs (1240 gram) and comes in either an anodized finish or painted. For sheer pleasure, well above expectations, see the **WINEX**. Call to your nearest Win & Win dealer soon or see the **WINEX** at [www.win-archery.com](http://www.win-archery.com)

NEW 09 AL	25inch	23inch
MATERIAL	Aluminum	Aluminum
WEIGHT	1060g	1020g
TYPE	RH/LH	RH/LH
COLOR		

## WINEX LIMBS

Honey Foam / Royal cross carbon limbs The secret of the smooth performance of the new **WINEX** limbs lies in its high-tech honey foam core and torsion make up. We call it the HF factor. Our engineers have been working on this revolutionary new limb for over two years and are proud of its excellent stability and strength.... and its speed. The HF limbs handle all weather conditions hot, humid, drizzly or icy- **WINEX** maintains the sweet smoothness that all recurvers want. From the Olympic archers to the average club member who want only the best limbs, you won't find a better pair of limbs than **WINEX**. **WINEX** is available in weight ranges from 28lbs to 48lbs in 2lbs increments. If you want the best, you need **WINEX** HF carbon limbs. See **WINEX** at your nearest Win & Win dealer or visit at [www.win-archery.com](http://www.win-archery.com) (28-48 lbs)

# WINACT BOW

THE SCIENCE OF SHOOTING



## WINACT RISER

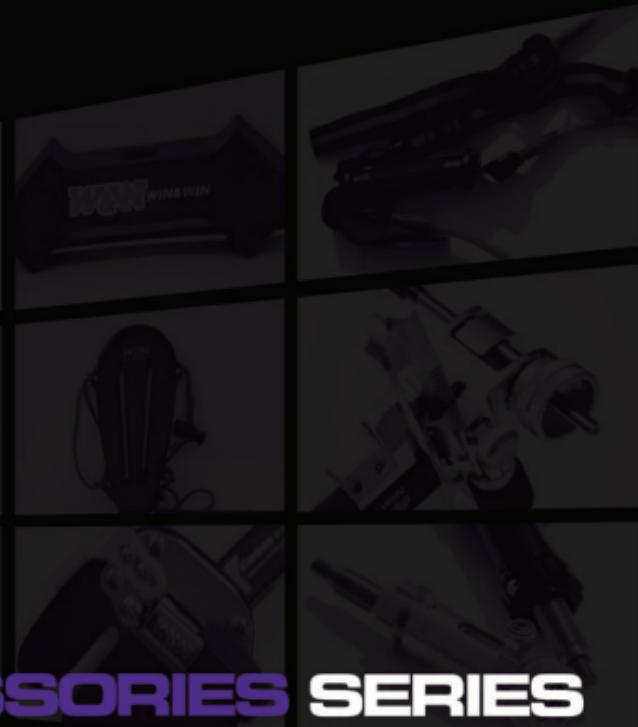
An attractive style and finish normally are shown on higher priced risers - you will be very impressed with the **WINACT**. This is a precision built handle that comes in two sizes, the 25" model and the 23", which is slightly lighter. **WINACT** does not look out of place on the line along side fancy bows that come with a big price tag. **WINACT** a solution to win. Check out the **WINACT** soon at your nearest Win & Win dealer or website at [www.win-archery.com](http://www.win-archery.com)

WINACT	25inch	23inch
MATERIAL	Aluminum	Aluminum
WEIGHT	1100g	1040g
TYPE	RH/LH	RH/LH
COLOR	Red  Blue  Black  Gray	Silver/Red  Silver/Blue  Silver/Black  Silver/White

## WINACT LIMBS

Are you looking for high performance limbs that are going to give you really tight groupings? Do you want to be in the winner's circle? Do you want to achieve a better score than you thought possible? Then **WINACT** limbs are for you. **WINACT** limbs have produced consistent results in competitions the world over, breaking records at world championships and winning medals at recent Olympic Games. **WINACT** are made of tough carbon fiber and produce blistering speed with a smooth performance and stability without the vibration that comes with some limbs. **WINACT** - World Champion's choice. **WINACT** limbs come in weight ranges starting at 24lbs through to 48lbs in 2lbs increments and in an attractive pearl white color. If you want better quality limbs, you should buy **WINACT**. You can see **WINACT** today at your nearest Win & Win dealer or click on [www.win-archery.com](http://www.win-archery.com) (24~48/lbs)

*Just Feel It!*



## ACCESSORIES SERIES

As well as manufacturing the finest quality recurve bows, **WIN&WIN** makes an excellent range of archery accessories. Our own staff have designed or contributed to many offerings of ours. We also listen to archers and understand their needs. Our products are renowned for their quality, design and reliability. Most of all, they suit archers!

## ■ SIGHT WS600



The features of our **WS600** sight are:

- The carbon/foam extension minimizes the sight weight which prevents torque in shooting. In addition, carbon/foam absorbs damaging vibration caused by the shot and makes shooting more stable.
- The unique bolt tuning system gives easy and convenient vertical adjustment.
- The slide bar on the sight head creates a smooth and extremely close measurement adjustment.
- The locking cover system is solid and stable.

**Color Option** : Black, Silver

Available in **RH** and **LH**



## ■ STABILIZER HMC



HMCL 30/28/26"

HMCS 12/11/10"

HMCE 5/4/3"

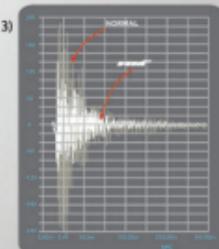
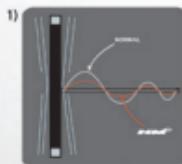
WEIGHT (FLAT & HEAD)

COLOR: Black, Silver, Blue & Red

Recurve archers strive for arrow speed but this results in increased vibration and up until now, stabilizers have not been able to effectively reduce vibration. We have developed a revolutionary new stabilizer called the **HMC** stabilizer which specifically addresses this issue, by improving dampening, absorbing shock and controlling torque.

Other stabilizers have an even wall thickness along the length of the rod and this does not absorb all vibration, whereas the **HMC** features a unique design – it has a wall thickness of 0.0275" (0.7mm) at the front of the rod and 0.0591" (1.5mm) at the base and the diameter has been enlarged from 0.669" (17mm) to 0.728" (18.5mm) to successfully absorb the shock and vibration along the entire length of the rod.

**HMC** comes in the long rod - 26", 28" & 30", the short rod - 10", 11" & 12" and extenders - 3", 4" & 5", finished in a smart light gray color.



3) Vibration wave graphic shows how vibration is more effectively controlled on the **HMC** because it is absorbed progressively along the entire rod ; with other stabilizers, the vibration is released back into the riser

1) This vibration graph illustrates how other stabilizers release vibration but the **HMC stabilizer** absorbs vibration at the source.

2) Other stabilizer (top) and the **HMC** (bottom). See how the other stabilizer is the same thickness along the whole rod, whereas the **HMC** starts out as a slightly larger wall at the base but gradually reduces to about half the size at the front of the rod.

■ **CX** V-BAR



The **CX** all carbon V-Bar is a proven performer, being much better at absorbing vibration than other aluminum V-Bars. **Comes in three angles 35, 40 and 45 degrees.**

■ **WK400** CUSHION PLUNGER



The **WK400** Cushion Plunger pressure button has a smooth action, is finished in a stylish polished aluminum in either **black** or **silver** and has a special long wearing PTFE coating on its tip.

Thread size: 5/16"-24, 5/16"-29 (for INNOCARBON riser)

Adjustable length: min.17.5mm / max.23.0mm

■ **MF** DAMPER



The **MF** Dampers are outstanding for controlling dampening and absorbing vibration. The **MF** Dampers use a special formula of foam to ensure no vibration and to dampen noise.

■ **BEARING** ARROW REST



**Color Option** \_Black, Silver

**Comes in black or silver and is available in RH or LH**



#### ■ **TY MULTI BOW STAND**

The **TY Multi Bow Stand** was designed for indoor and outdoor uses. The **TY Multi Bow Stand** is solidly built, remains stable in all conditions to firmly support your bow. The **TY Multi Bow Stand** is light, yet strong and durable and folds for easy storage. Comes in silver with three flip lock legs.



#### ■ **A/E ARM GUARD** Comes in green, blue or red



#### ■ **360 CORDOVAN FINGER TAB**

The **360 Cordovan Finger Tab** was designed with your comfort in mind. Comes in Large, Medium and Small, Available in RH or LH



#### ■ **CARBON CLICKER**

Available in three thread sizes: 6-32, 4-40, M4 with a spare tip.



NEW



INSIDE



#### ■ MAGNETIC QUIVER

Sizes : Large & Medium

Color Option : Black only

Available in RH and LH



#### ■ BOWCASE

The smart, solid design makes comfortable use to carry.

Material : ABS

Color : Black, Silver

Inner size : 830 X 330 X 205 (mm)

Outer size : 878 X 348 X 219 (mm)

#### ■ WECOURSE CHEST GUARD

Available in black only, in two sizes Large or Medium and in RH or LH



#### ■ SCAPOWER

The **SCAPOWER Stretch Band** increases the archer's pulling weight, builds up muscles and develops firmness in the shoulder, improves posture and technique and by regular and consistent use, greater accuracy and stability in shooting. Daily practice for 10 minutes with the stretching band and a break of 2 or 3 minutes, improves pulling back the bow, better shot placement, drawing back and balance with the bow shoulder.



#### ■ GRIPPER GRIP MAKER

You can make the fit custom grip easily and fast by yourself with Win&Win grip maker.



#### ■ ARROW PULLER

## 2009 W&W Riser Configuration

Features			Weight	RH	LH	Color	
Riser	Carbon Riser	TF APEX Riser	25 inch	1260g~1330g * Adjustable Weight	•	•	Glossy Color_Red, Orange, Blue, Black Matt Color_Black
		INNO CARBON Riser	27 inch	1240g	•	•	
			25 inch	1200g	•	•	Red, Blue, Black, White, Dark-Red, Orange, Cobalt Blue
			23 inch	1160g	•	•	
	PROACCENT CARBON Riser		25 inch	1080g	•	•	Black/Red, Dark Blue, Pastel Silver, Pastel Blue,
			23 inch	1040g	•	•	Pastel Green, Pastel Pink
	Aluminum Riser	WINEX Riser	25 inch	1240g	•	•	Red, Blue, Black, Gray, White, Yellow, Silver
		WINACT Riser	25 inch	1110g	•	•	Red, Blue, Black, Gray
			23 inch	1050g	•	•	Silver/Red, Silver/Blue, Silver/Black, White

## 2009 W&W Limbs Configuration

Features			Material	Poundage
Limbs	Foam Core	N- APEX Limbs	Nano foam core / High Modulus Carbon	28~48lbs
		INNO POWER Limbs	Kevlar Hybrid Foam / High Modulus Carbon	28~48lbs
		PROACCENT Limbs	CRS Foam / High Modulus Carbon	28~48lbs
		WINEX Limbs	Honey Foam / Royal Cross Carbon	28~48lbs
	Wood Core	APEX PRIME Limbs	Wood Nano core / High Modulus Carbon	28~48lbs
		WINACT Limbs	Wood / Royal Cross Carbon	24~48lbs



820-9 Danghang-Ri, Yangsung-Myeon, Ansan-Gu, Kyungki-Do,  
456-931, Korea Tel. 82-31-671-0898 | Fax. 82-31-671-0897 | Email: [win@win-archery.com](mailto:win@win-archery.com) | <http://www.win-archery.com>

\* WIN&WIN Archery Co. has the right to change the products without prior notice.

