MARCUS D'ALMEIDA

LIMBS

NS-XP FOAM
NS-XP WOOD
MXT-XP FOAM
MXT-XP WOOD
NS-G FOAM
NS-G WOOD
CX7 FOAM
CX7 WOOD
WINEX

MOST HEAT RESISTANCE, STABILITY & ACCURACY

NS-XP

GRAPHENE
NANO CARBON TECH

WIA WIS 2024 NEW

You can feel your own movement which is a series of drawing, aiming, and shooting It is recommended for archers to want powerful shooting or fast shooting, to have short draw length or use lighter pounds of bow,to want accurate and clear shooting as the shooting shock and vibration reduce quickly.

SEF - STABILITY FORGIVING

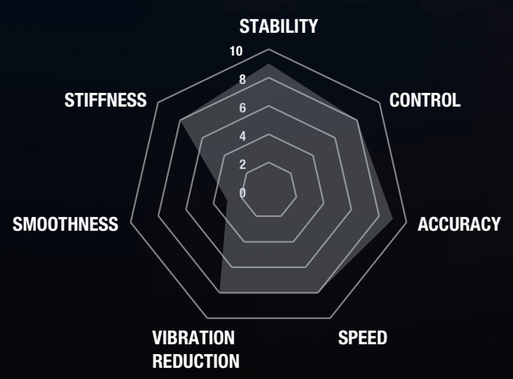
SEF materials, first introduced to archery, enhance shock absorption and reduce vibration, improving bow stability and forgiveness.It fundamentally reduces the impact and vibration transferred to the bow, improving the stability of the bow and increasing forgiveness.

IMPROVED HEAT RESISTANCE

IRR(InfraRed Reflection) pigment coating : Special paint that blocks infrared rays

ACCURACY

An optimal pattern combined various high-performance carbon materials was applied
: Torsional stiffness was increased, resulting in increased accuracy and tighter groups.



BETTER ACCURACY & STABILITY

MXT-XP

GRAPHENE
NANO CARBON TECH

You can smoothly connect a series of movementIt is recommended for archers who want to control a bow easier with smooth shooting. s from drawing to anchoring. who have long draw length or have difficulty to tune the bow with heavy pounds of bow.

USE SPECIAL PAINT TO BLOCK INFRARED RAYS

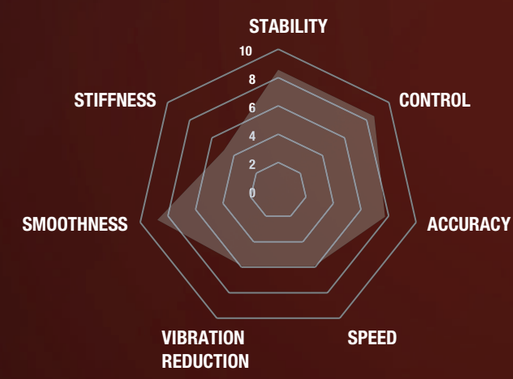
Special paint reflecting infrared rays on the surface of the limbs was used to block the heat rays from sunlight and reduce the temperature effect on the limbs.

LIMB CURVE TO GIVE STABILITY AND SMOOTHNESS

WIAWIS MXT-XP limbs were developed based on accumulated data that has analyzed the correlation between stability and speed according to the strain distribution of the limbs.

FOAM CORE TO IMPROVE HEAT RESISTANCE

Heat resistance is improved by about 10℃ compared to the previous one to maintain poundage even when the limbs are subjected to increase heat.

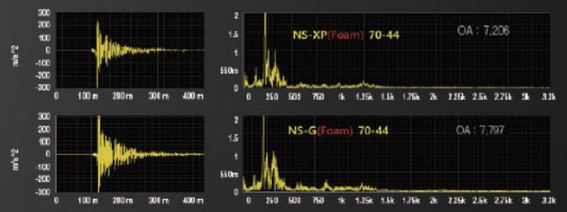


NS-XP TECHNOLOGY

SEF(Soft Epoxy Film) applying

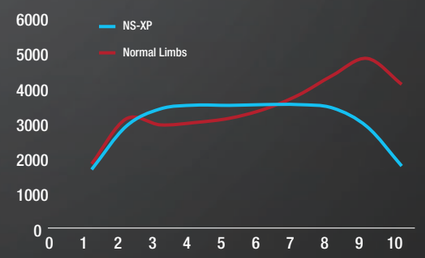
SEF special materials were applied to archery for the first time in the world to dramatically increase shock absorption and enhance vibration reduction performance. It fundamentally reduces the impact and vibration transferred to the bow, improving the stability of the bow and increasing forgiveness.

NS-XP is applied with WIAWIS strain distribution, which improves both strength and stability, by analyzing the correlation between limb bending distribution and speed that WIN&WIN has proven through research.



Strain Distribution for accuracy and stability

NS-XP is applied with WIAWIS strain distribution, which improves both strength and stability, by analyzing the correlation between limb bending distribution and speed that WIN&WIN has proven through research.

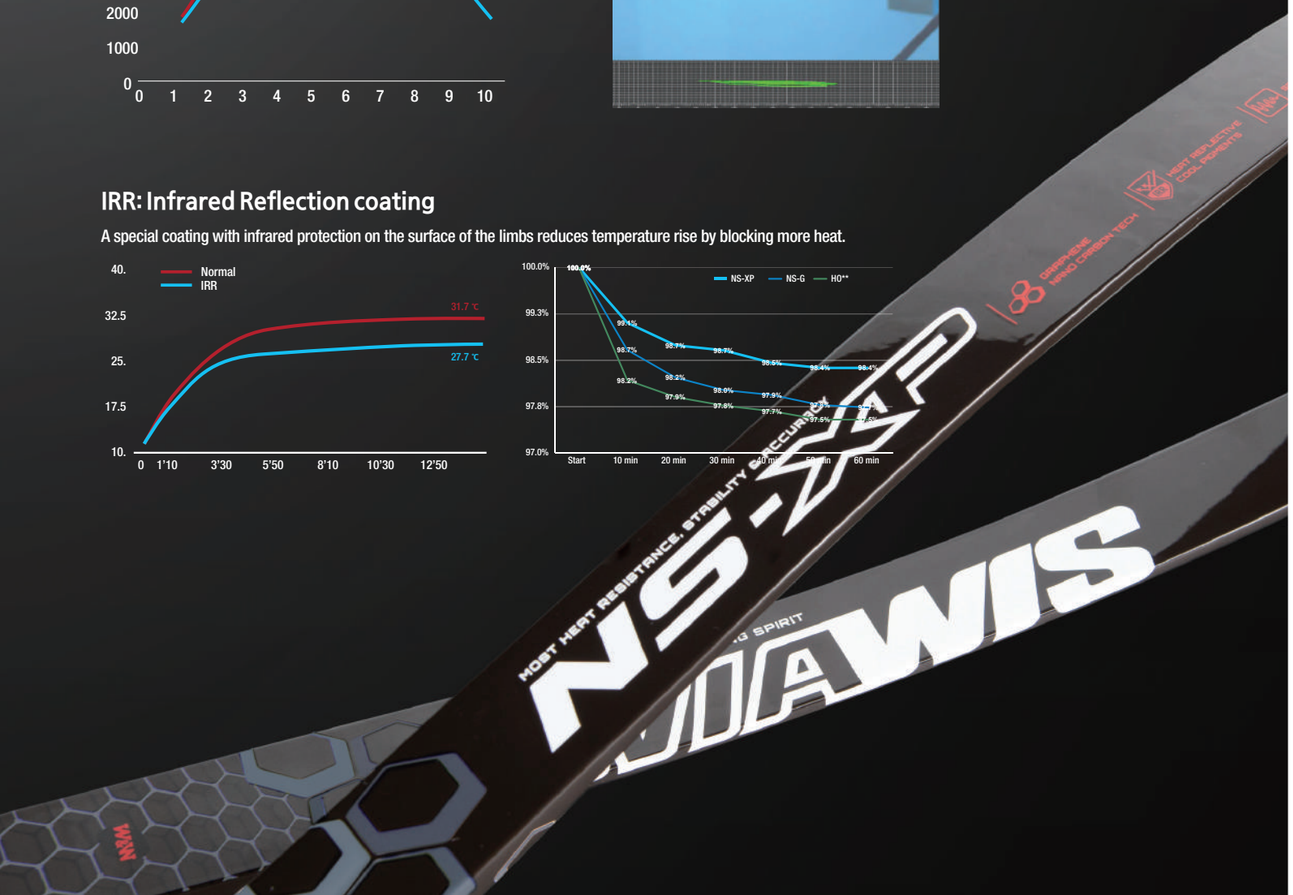


Optimized carbon pattern design

Stability and accuracy after shooting were improved by a combination of various high-performance carbons with different characteristics with optimized pattern. Special carbon pattern design for NS-XP improves stability of torsional stiffness, durability, changes in pound and speed, bow movement.

IRR: Infrared Reflection coating

A special coating with infrared protection on the surface of the limbs reduces temperature rise by blocking more heat.



NS-XP FOAM

LENGTH	Short, Medium, Long
WEIGHT	28 to 48 lbs (2 lbs increment)
MATERIAL	Graphene Foam Core / Advanced High Modulus Carbon

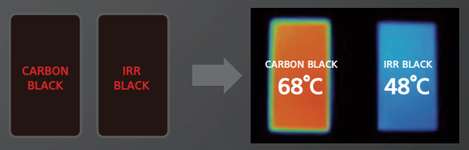
NS-XP WOOD

LENGTH	Short, Medium, Long
WEIGHT	28 to 48 lbs (2 lbs increment)
MATERIAL	Wood Core / Advanced High Modulus Carbon

MXT-XP TECHNOLOGY

USE SPECIAL PAINT TO BLOCK INFRARED RAYS

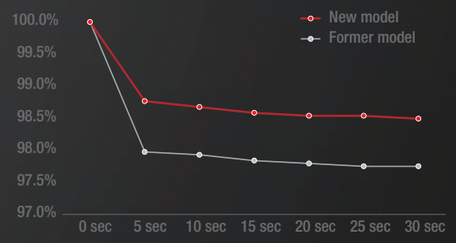
Special paint reflecting infrared rays on the surface of the limbs was used to block the heat rays from sunlight and reduce the temperature effect on the limbs.



*** USE SPEICAL PAINT TO BLOCK INFRARED RAYS : IRR**
Reduce the high temperature effect

POUND CHANGING IN FULL-DRAWING

The MXT-XP limbs maximizes archers' shooting skills and improves arrow grouping by maintaining more consistent power over time at full draw.



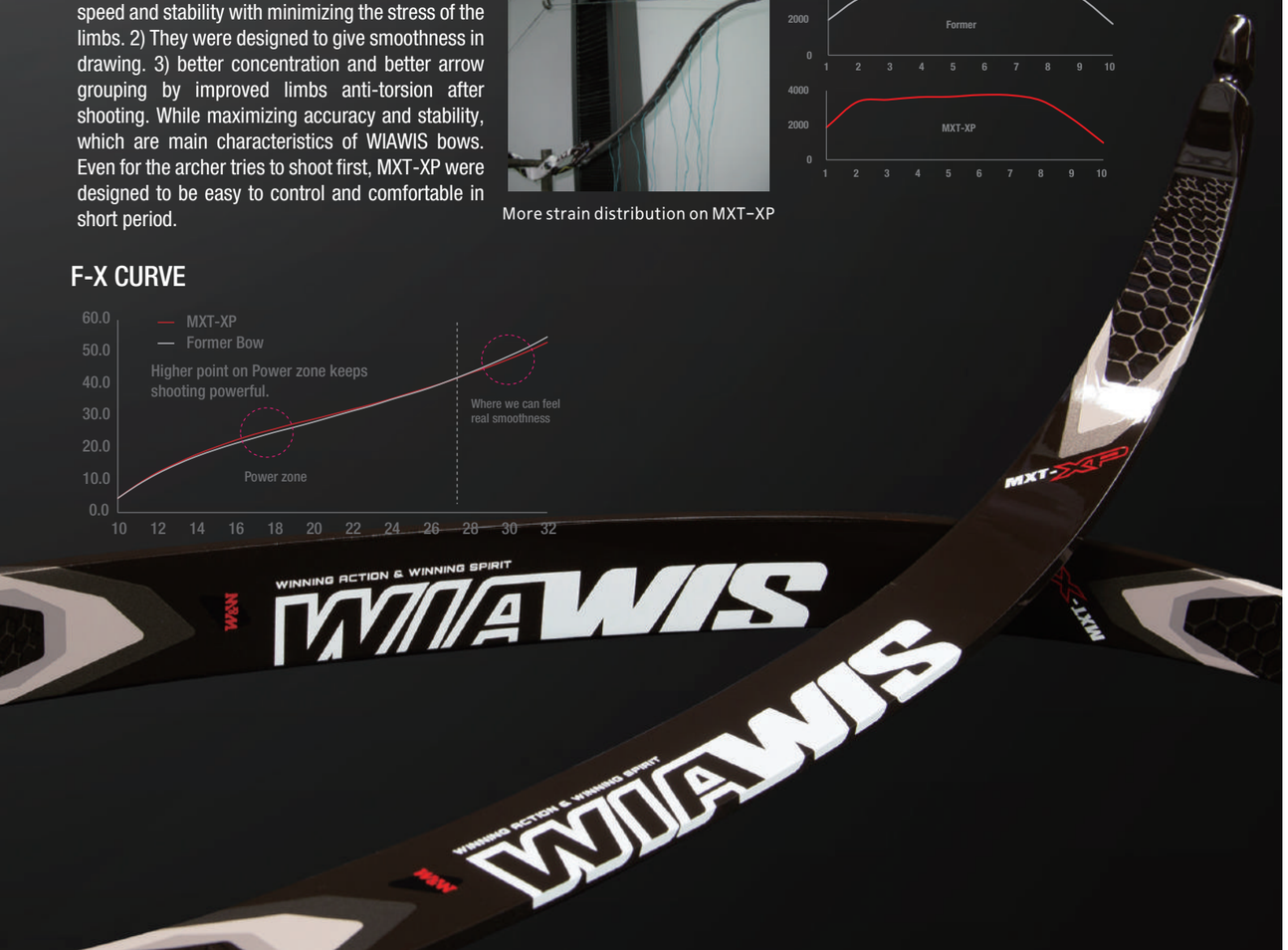
LIMB CURVE TO GIVE STABILITY AND SMOOTHNESS

WIAWIS MXT-XP were developed based on accumulated data that has analyzed the correlation between stability and speed according to the strain dis tribution of the limbs.

They feature 1) the optimized curve to increase the speed and stability with minimizing the stress of the limbs. 2) They were designed to give smoothness in drawing. 3) better concentration and better arrow grouping by improved limbs anti-torsion after shooting. While maximizing accuracy and stability, which are main characteristics of WIAWIS bows. Even for the archer tries to shoot first, MXT-XP were designed to be easy to control and comfortable in short period.

More strain distribution on MXT-XP

F-X CURVE



MXT-XP FOAM

LENGTH	Short, Medium, Long
WEIGHT	28 to 48 lbs (2 lbs increment)
MATERIAL	Graphene Foam Core / High Modulus Carbon

MXT-XP WOOD

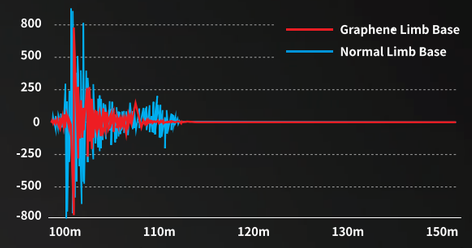
LENGTH	Short, Medium, Long
WEIGHT	28 to 48 lbs (2 lbs increment)
MATERIAL	Wood Core / High Modulus Carbon

MXT-XP limbs have the most stable design since launching the MXT limb series, which gives the feeling of stable shooting with anti-twisting and smooth drawing. Also, special paint is used to enhance heat resistance on the surface of the limbs to enable consistence performance during changing weather conditions.

NS-G TECHNOLOGY

GRAPHENE LIMB BASE

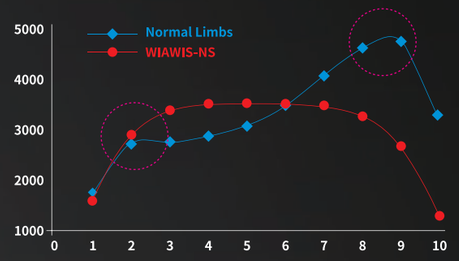
The WIAWIS NS-G limb uses a limb base made of graphene prepreg-dispersed in a high molecular epoxy which has been shown to absorb shock and vibration more efficiently, and help stabilize limb movement after shooting. This new concept of limb construction was solely developed and used by WIN&WIN.



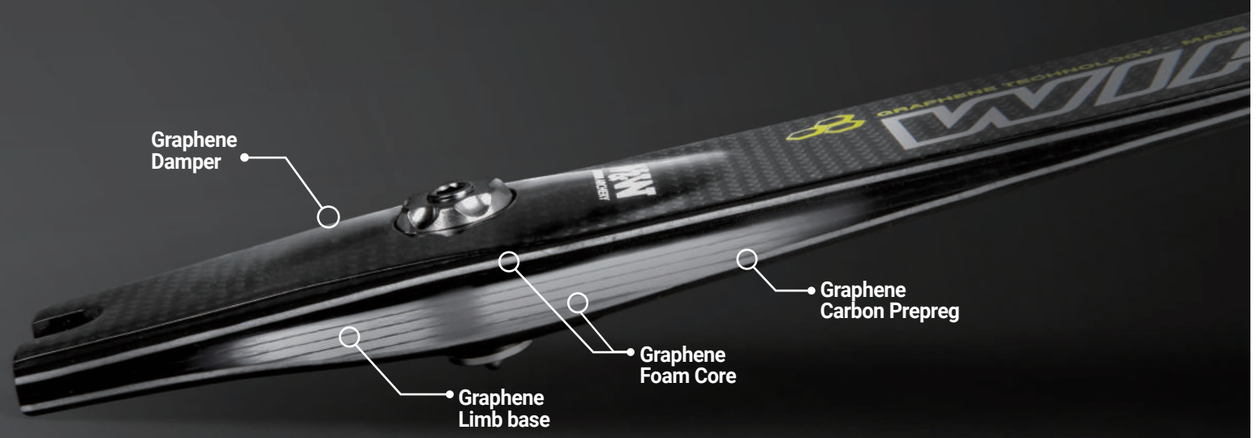
[comparison of shooting shock and vibration absorption]

STRAIN-BALANCE TECHNOLOGY

WIN&WIN has enhanced the WIAWIS NS-G limbs in both power and stability by applying Strain-Balance technology. The result of years of research, Strain-Balance technology helps WIN&WIN find the optimal limb flex profile through analyzing the relationship between stability and speed according to the limb flex. The NS-G limbs feature enhanced smoothness while drawing without compromising the arrow speed and accuracy which WIN&WIN is known for.



WIAWIS NS-G limbs employ graphene technology to offer shorter and narrower string movement than any other limbs and provide the most efficient energy transfer. This performance creates better arrow grouping with forgiveness.



NS-G FOAM

LENGTH	Short, Medium, Long
WEIGHT	28 to 48 lbs (2 lbs increment)
MATERIAL	Graphene Foam Core & Graphene Limb base / High Modulus Carbon

NS-G WOOD

LENGTH	Short, Medium, Long
WEIGHT	28 to 48 lbs (2 lbs increment)
MATERIAL	Wood Core & Graphene Limb base / High Modulus Carbon

The NS-G is very first limb in the world that uses innovative graphene materials for archery equipment. It also adds a function that minimizes the impact that occurs when shooting in the bottom core part of the limbs. It minimizes bow torque that directly affects the arrow light. Softer, but more advanced competition limbs that used graphene on foam cores to ensure that the arrows don't lose speed and light stability.

CX7 FOAM

LENGTH	Short, Medium, Long
WEIGHT	28 to 48 lbs (2 lbs increment)
MATERIAL	Nano Foam Core / High Modulus Carbon
FINISH	Matt

CX7 WOOD

LENGTH	Short, Medium, Long
WEIGHT	28 to 48 lbs (2 lbs increment)
MATERIAL	Wood Core & Graphene Limb base / High Modulus Carbon
FINISH	Matt

Made of INNO EX POWER's equivalent materials, CX7 is a limb that enables you to feel WIN&WIN's technology more easily with cost effectiveness. CX7 limb is an introductory limb that lets you feel the difference about high-end archery equipment.

WINEX

The WINEX limb has been continuously developed with the WIN&WIN's limb manufacturing process that is improved and refined over time based on WIN&WIN's traditional limb making technology.

LENGTH	Short, Medium, Long
WEIGHT	28 to 48 lbs (2 lbs increment)
MATERIAL	Royal Cross Carbon

WIAWIS BOW
SPECIFICATIONS

RISER TECHNICAL SPECIFICATIONS

RISER	LENGTH	MASS WEIGHT	TYPE	MATERIAL
META DX	25 inch	1380 g	RH/LH	Graphene / Nano Carbon
RADICAL PRO	25 inch	1300 g	RH/LH	Graphene / Nano Carbon
INNO CXT	23 inch	1120 g	RH	Nano Carbon
	25 inch	1200 g	RH/LH	
	27 inch	1260 g	RH	
CX7	25 inch	1250 g	RH/LH	Carbon Composite
ATF-DX	25 inch	1360 g	RH/LH	Aluminum / CNC Machining
	27 inch	1430 g		
ATF-X	25 inch	1280 g	RH/LH	Aluminum / CNC Machining
	27 inch	1350 g		
WINEX	23 inch	1190 g	RH	Aluminum / CNC Machining
	25 inch	1250 g	RH/LH	Aluminum / CNC Machining

LIMBS TECHNICAL SPECIFICATIONS

LIMBS	LENGTH	TYPE	MATERIAL
NS-XP FOAM CORE	Short, Medium, Long	28~48 lbs	Graphene Foam Core / High Modulus Carbon
NS-XP WOOD CORE	Short, Medium, Long	28~48 lbs	Wood Core / High Modulus Carbon
MXT-XP FOAM CORE	Short, Medium, Long	28~48 lbs	Graphene Foam Core & Graphene Limb base / High Modulus Carbon
MXT-XP WOOD CORE	Short, Medium, Long	28~48 lbs	Wood Core & Graphene Limb base / High Modulus Carbon
NS-G FOAM CORE	Short, Medium, Long	28~48 lbs	Graphene Foam Core / High Modulus Carbon
NS-G WOOD CORE	Short, Medium, Long	28~48 lbs	Wood Core / High Modulus Carbon
CX7 FOAM CORE	Short, Medium, Long	28~48 lbs	Nano Foam Core / High Modulus Carbon
CX7 WOOD CORE	Short, Medium, Long	28~48 lbs	Wood Core / High Modulus Carbon
WINEX	Short, Medium, Long	28~48 lbs	FoamCore / Royal Cross Carbon

GRIP COMPATIBILITY

	1		4	5	6		7	DX5	DX7	CTK II	CTK III	CTK-H	8
	Standard Plastic	Standard Wood	Standard Plastic	Standard Plastic	High Plastic	High Wood	Standard Plastic	Standard Palstic	Standard Palstic	CTK II Wood	CTK III Wood	CTK-H Wood	Standard Plastic
META DX	○	○	○	○	○	○	●			○	○	○	
RADICAL PRO	○	○	○	○	○	○	●			○	○	○	
TFT-G	○	○	○	○	○	○	●			○	○	○	
INNO CXT, CXT LIGHT	○	○	○	○	○	○	●			○	○	○	
CX7	○	○	○	○	○	○	●			○	○	○	
ATF-DX								○	○				●
ATF-X	○	○	○	○	○	○	●			○	○	○	
WINEX	○	○	○	○	○	○	●			○	○	○	

※● = standard grip to be set in the factory / ○= compatible

※ Wooden grip in same group from 1 to 6 is marked 'high' on the basis of standard grip at the factory.

KIM JE DEOK