



Yamaha String Instruments



The Birth of Yamaha's Flagship Violin, The — Tradition, Evolved —

The Story Behind Yamaha's String Instruments

Our experience crafting violins began with research in the 1990s. After a decade of work we presented the first fruits of our efforts, the V-60 and V-30. Moving forward with the knowledge and experience accumulated over that first ten years, we applied newly developed technologies such as 3-D modeling, ultra-precision machining, and precision controlled seasoning to create the YVN200G/S and YVN100G/S. While we were making great strides in our pursuit to reproduce legendary instruments we were not yet fully satisfied. We had set out to create an ideal violin that would be more accessible to all, but achieving this goal would require more time.

The breakthrough came with our development of A.R.E. (Acoustic Resonance Enhancement) technology. A.R.E. changes the characteristics of the wood, accelerating its maturing process so that an instrument crafted from A.R.E. treated woods sounds and plays when new, as if it has been played for years. What's more is the instrument continues to mature naturally as it ages. Taking full advantage of this advancement, we went back and redesigned, focusing on the instrument's shape and thickness. We also developed a new antique finish to bring out the best in its beauty and tone. The fruits of our labor can be witnessed in our flagship YVN500S—an instrument born out of the desire to recreate a historic instrument, and an instrument that brings an entirely new range of possibilities to modern violin making.



CONTENTS

Introduction	1
Artida Violin	3
Braviol Violins	5
Braviol Violas	10
Braviol Cellos	11
Carbon Bows, Accessory	13
Specifications	14

Artida Series

The Woods

What qualities do vintage violins possess that makes them project so well and play so expressively? This question has challenged luthiers for centuries. Taking on this issue, we focused on one point in particular, that being the aging of the materials, and with this in mind we launched a new project in the late 1990's. The answer came in 2001 when we found how to give the woods over a short period of time, the same characteristic changes that have occurred in woods of antique instruments. Utilizing the power of steam we could promote the crystallization of cellulose and the breakdown of hemicellulose in the woods. Through this finding we developed our A.R.E. technology. Before bringing it to our violins, this technology was first applied to several guitar models and on acoustic building materials used in concert hall construction where it has been proven effective and has received great acclaim from around the globe. In applying A.R.E. to violins we could accomplish what was not possible with the YVN200G/S and YVN100G/S and create an instrument that delivers wide-ranging musical expression with excellent projection.



The Craftsmanship

In making the YVN500S, we tried to remain faithful to tradition while applying the most fitting of modern technologies. Using high precision modeling technology as well as resonance analysis we could accurately model the shape and thickness of a number of vintage violins to determine optimum back and top designs. Modeling technology has been one of our specialties since the development of the V-60/V-30 and we used extensively this time, to quantify and reveal just what today's master violinmakers are thinking and sensing. This process took a great deal of time.



In order to take full advantage of A.R.E., we first did a full review of the arching and the distribution of thickness. Teaming up with world-class violinists and master violinmakers at the same time gave us critical feedback through their uncompromising evaluations. Through these collaborations we experienced the historical development of the violin—centuries of progress—over the course of a few short years, making the entire process a highly rewarding experience. With all this complete, we are able to introduce Yamaha's flagship violin, the YVN500S—an instrument of exceptional caliber both in production and playability.

The Finish

The range of effect that varnish has on an instrument's tonal quality was demonstrated with the YVN200G/S and YVN100G/S. Advancing our knowledge and know-how in finishes further, we formulated a special antique varnish that gives the instrument a vintage appearance worthy of its mature tone. In order to create this finish, we carefully analyzed the condition of a number of existing vintage violins of different ages and in different countries to better understand the textural characteristics that these vintage instruments possess. We refined the craftsman's technique and the texture around the edges of the instrument to develop an original method. The finish is the product of six years of work that involved research into peeling the varnish, creating the gradients, perfecting each process, and finding the optimum balance between each of these aspects. Through our efforts, we have found how to give fine modern violins the classic look and beauty found in fine antique instruments.

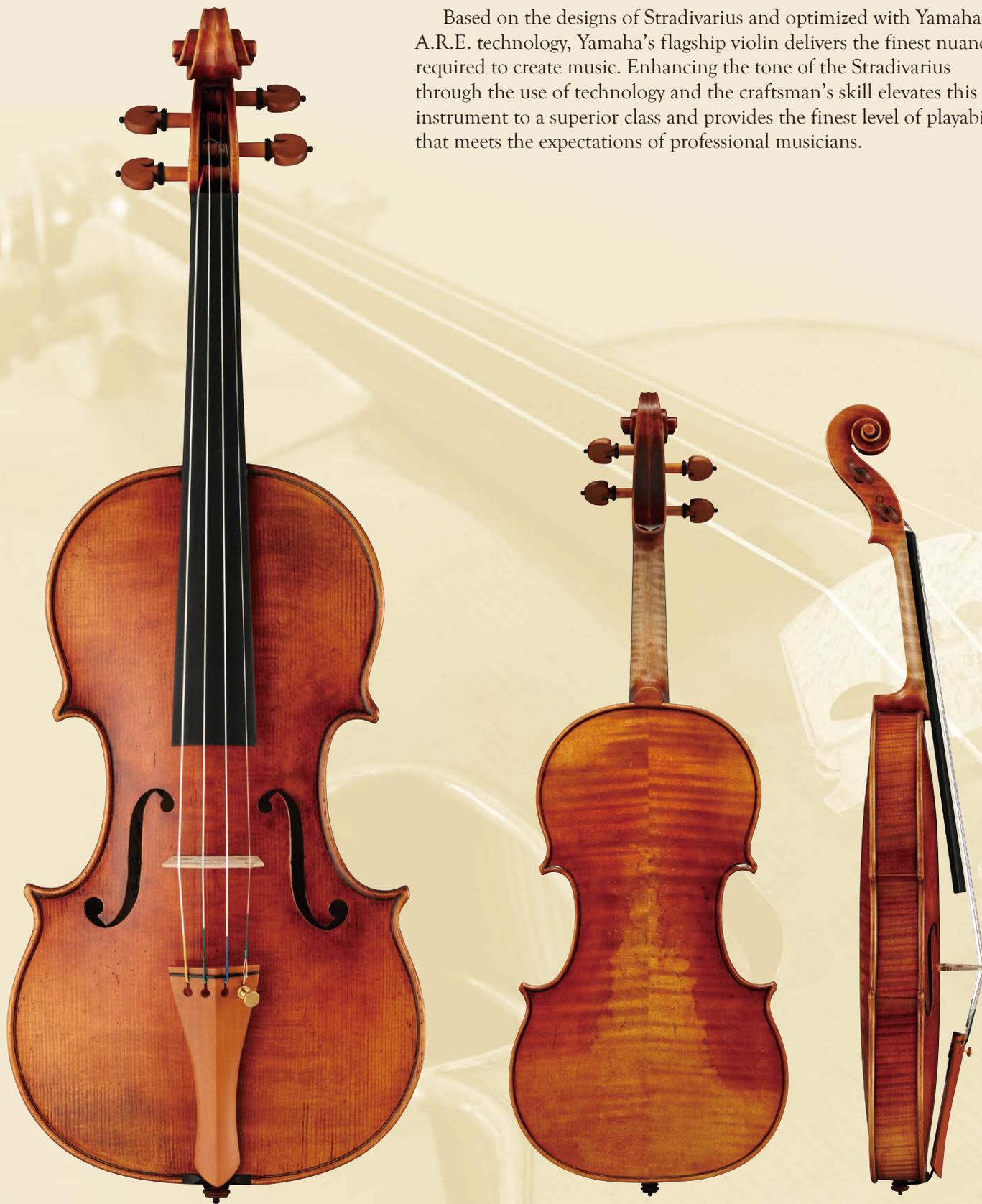


When we first started crafting violins, our goal was to create instruments that would support and evolve along with the player—integrating the present with tradition. Our flagship violin from the Artida series, the YVN500S, supports you as your future and potential grow.

The YVN200, YVN100, V-60 and V-30 are discontinued.

Artida YVN500S Yamaha Violin

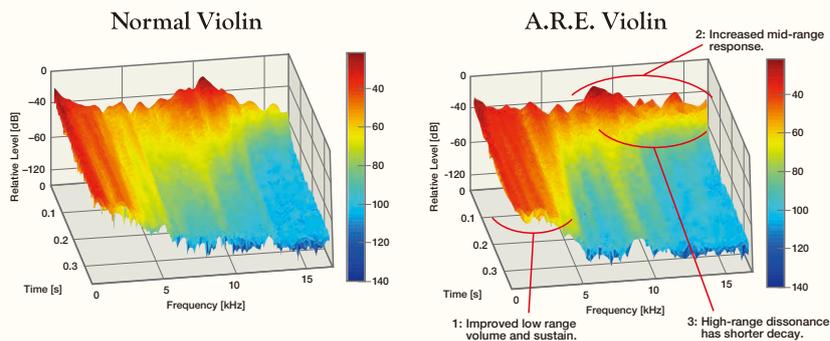
Based on the designs of Stradivarius and optimized with Yamaha's A.R.E. technology, Yamaha's flagship violin delivers the finest nuances required to create music. Enhancing the tone of the Stradivarius through the use of technology and the craftsman's skill elevates this instrument to a superior class and provides the finest level of playability that meets the expectations of professional musicians.



The YVN500S is sold as a separate instrument only. It doesn't include case, bow, or other accessories.
Not available in some regions. Please contact your dealer for more information.
YVN500S is finished with Yamaha's special Antique Finish giving each instrument a uniquely individual appearance.

A·R·E·))) Acoustic Resonance Enhancement

A.R.E. is a Yamaha original wood reforming technology that improves the wood's acoustic characteristics through the use of precision controlled humidity, temperature, and atmospheric pressure. This process manipulates the molecular properties of the wood transforming it into a state similar to woods in instruments that have been played for years, drastically improving the instrument's sound quality. The treatment is chemical free making it an environmentally friendly process.



The graph shows how the A.R.E. treatment results in the characteristic changes given below.

- 1: Improving the low range volume and sustain delivers a stronger fundamental tone with better projection.
- 2: Increased mid-range response delivers richer tone and more expressive power.
- 3: High range dissonance has a shorter decay improving instrument response and articulation.

Our research team, which has many years experience studying woods for instruments, started the A.R.E project in the 1990s with the goal of using this technology on our violins. Before we brought it to the violin, it was utilized first on guitars, and for acoustic building materials used in concert halls where it has been proven to deliver significant improvements in the product's performance.

We are pleased that we can now use this technology on the instrument that it was originally intended for, and take great pride in presenting the YVN500S, the flagship of the Artida series.



Zakhar Bron

Professor at the Escuela Superior de Música Reina Sofía

Yamaha knows that a dedicated, uncompromising approach is the only way to develop superior-sounding instruments. YVN500S has taken shape through interpreting and reflecting my advice into design. With continuous dedication to achieving the sound I require, Yamaha has improved the instrument every time and has ambitiously succeeded in making a very spirited and powerful instrument.

Rainer Küchl

Professor at the university of Music and Performing Arts Vienna

ex-Principal concert master of the Vienna Philharmonic Orchestra and Vienna State Opera Orchestra
When I recently tested the violin at a concert, the tone compared favorably with orchestra violins and I was astonished by Yamaha's outstanding manufacturing technologies. I am hoping that in the future this violin will encounter new virtuosos to perform much music.



Tsugio Tokunaga

Professor at Kunitachi College of Music

Specially Appointed Professor at Toho Gakuen School of Music

I had repeated discussions on countless occasions with Yamaha staff. These efforts culminated in the birth of a violin that combines three attributes into a single instrument, namely, the dynamism and beauty of the tone and the ease of playing. My favorite aspect of this violin is that it always brings out the spirit of players.

Braviol V20G Yamaha Violin

Exceptional Quality and Value

The V20G is Guarneri-inspired violin which produces a rich and sweet, yet powerful sound. Each instrument is painstakingly finished with a specially formulated shading oil varnish which gives a beautiful appearance and warmer tone. The wood material has been carefully selected. The V20G offers excellent sound and playability, with consistent quality in every instrument.



V20SG Yamaha Violin



The V20G is sold as a separate instrument only. It doesn't include case, bow, or other accessories. The V20SG is a set including V20G violin, case (VHC2), high quality pernambuco bow, and rosin.

Braviol V10G Yamaha Violin

An Excellent Step-up Instrument

Designed especially with younger performers in mind, the V10G is based on the same Stradivari-inspired design.

Each instrument features a hand-carved spruce top, maple sides and back, and a special hand applied shading oil varnish normally found only on higher-price instruments.



V10SG Yamaha Violin



The V10G is sold as a separate instrument only. It doesn't include case, bow, or other accessories.
The V10SG is a set including V10G violin, case (VHC2), high quality pernambuco bow, and rosin.

Braviol V7SG Yamaha Violin

Excellent Quality for Young Players

An excellent choice for beginning to intermediate players, the V7SG offers fine quality at a very affordable price. It can be an ideal setup instrument for students who have advanced beyond the level of their beginner violins.



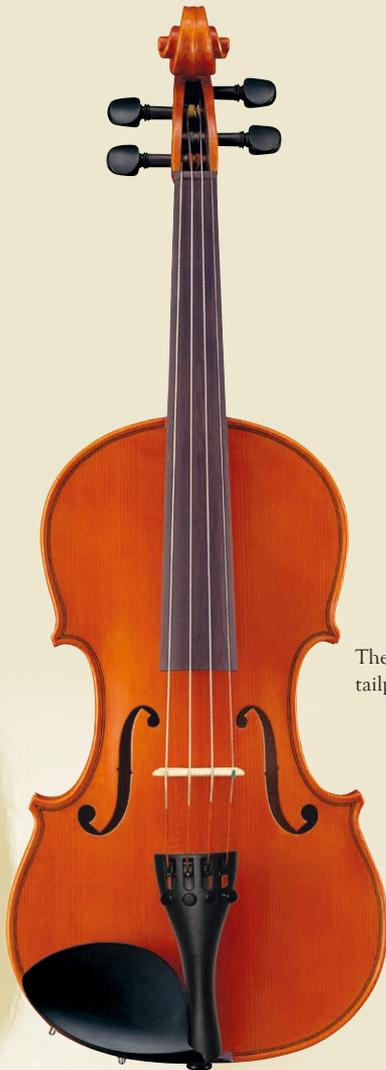
V7SG is available in 1/8, 1/4, 1/2, 3/4, and full sizes. Fraction sizes come in shaped cases, while the full-size has an oblong case. All come complete with bow, case and rosin.



Braviol V5SC/V5SA Yamaha Violin

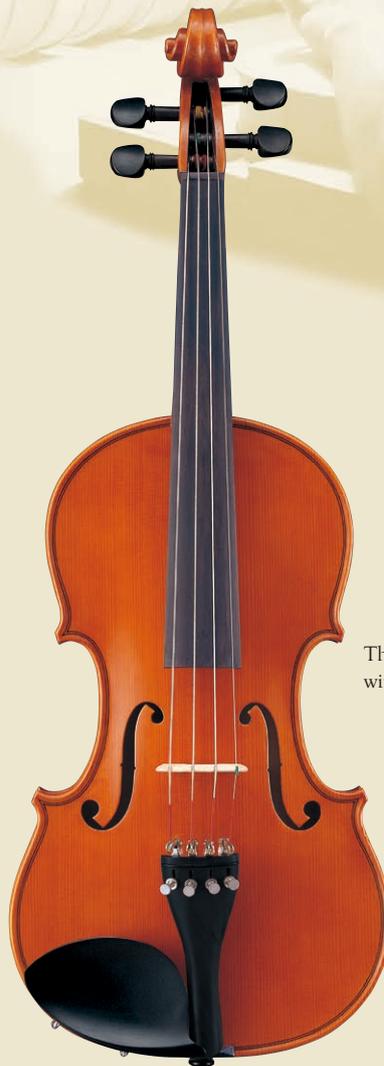
A Perfect Start

Perfect for the beginning violinist, the V5SC/V5SA features a spruce top and maple back and neck made from high quality materials. Each instrument is handcrafted utilizing the same traditional methods as used on high-end violins. Designed, sized, and priced for young students, they are quality instruments that will get any student off to a great start.



The V5SC offers a Wittner "Ultra" tailpiece with 4 fine tuners.

V5SC



The V5SA features ebony tailpiece with 4 fine tuners.

V5SA



V5SC (1/16)



V5SA (4/4)

The V5SC/V5SA comes with a case, bow, and rosin. They are available in the following sizes:

V5SC	4/4	3/4	1/2	1/4	1/8	1/10	1/16
V5SA	4/4	3/4	1/2	1/4	1/8	-	-

Not available in some regions. Please contact your dealer for more information.

Braviol V3SKA Yamaha Violin

Ideal for the beginner

This introductory model provides beginners with an instrument that plays with a satisfying tone, while offering outstanding durability. Each instrument is handcrafted utilizing the same traditional methods as used on high-end violins. V3SKA comes complete with case, bow and rosin so you have everything you need to play right away.



V3SKA available in 1/2, 3/4 and full sizes. All come complete with bow, case and rosin



Braviol VA7SG VA5S

Yamaha Viola

For the Advancing Violist

The VA7SG is handcrafted from carefully selected, high quality wood and is finished and adjusted by expert artisans. It features a beautiful warm sound with abundant tonal colors, and is perfect as a step-up instrument for improving students or for doublers.



VA7SG



The VA7SG comes with a hard case, bow, and rosin. They are available in the following 4 sizes; 15", 15.5", 16", 16.5".

Ideal for the Beginning Violist

The VA5S is made of high grade materials and is designed to help beginning students sound good as quickly as possible. Each instrument is hand sculpted using the same traditional methods as used on high-end string instruments. They are quality instruments that can inspire the musical future of students.



VA5S



The VA5S comes with a hard case, bow, and rosin. They are available in the following 6 sizes: 13", 14", 15", 15.5", 16", 16.5".

Braviol VC20G

Yamaha Cello

Greater Expression for Improving Players

The VC20G is a mid grade Cello for advanced students which creates a great bright and clear sound. The wood material has been well seasoned and carefully selected. The VC20G has a nice artistic shading finish with hand brushed oil varnish.



The VC20G is sold as a separate instrument only. It doesn't include case, bow, or other accessories.

VC7SG

Excellent Quality for Young Players

The VC7SG features the same select, high quality wood and hand craftsmanship as the V7SG violin. It is finished and adjusted by the most experienced artisans, and is capable of beautiful rich tonal colors. The VC7SG is a perfect step-up instrument for advancing students.



VC7SG



The VC7SG comes with a soft case, bow, and rosin.

VC5S

Perfect for the Beginning Cellist

The VC5S offers the same warm sound and excellent value as the V5 violin. They are made of high quality materials and are individually hand finished by caring craftspeople. Each instrument is hand sculpted by the same traditional methods as used on high-end string instruments. They are quality instruments that can inspire the musical future of students.



VC5S



The VC5S comes with a soft case, bow, and rosin.

VC5S is available in 1/4, 1/2, 3/4, and full sizes.

Carbon Bows

Violin Bows

YBN100 Series

Yamaha crafts five carbon bows that offer wood-like appearance plus a selection of weights and balances to satisfy individual player preferences.



		Overall Weight		
		59.0g (Light)	60.5g (Medium)	62.0g (Heavy)
Closers to frog ↑ Balance ↓ Closers to tip	230mm		YBN100-M1	
	245mm	YBN100-L2	YBN100-M2	YBN100-H2
	260mm		YBN100-M3	

* Weight and balance values listed above may have an error of +0.3g/-0.3g, +5mm/-5mm.

Violin Bow

CBB101



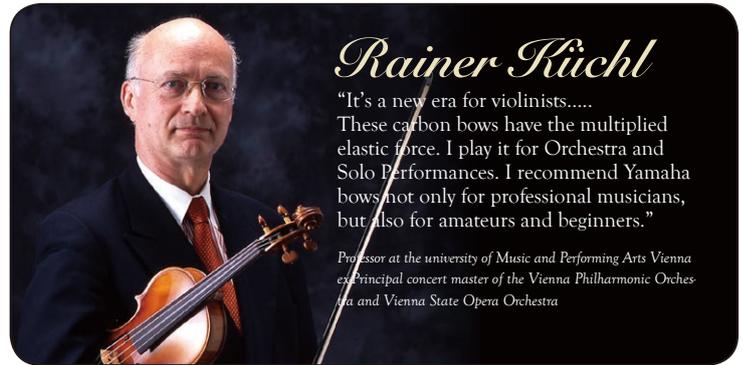
Viola Bow

CBB202



Cello Bow

CBB301



Artist Signature Model

CBB107ZB Zakhar Bron Model



Zakhar Bron

One of the world's most respected and preeminent violin professors and soloists, Zakhar Bron is the mentor of such great violinists as Vadim Repin, Maxim Vengerov, Daishin Kashimoto, and Tamaki Kawakubo. Bron is very particular when it comes to bow performance and his collaboration with Yamaha manufacturing expertise has resulted in the Zakhar Bron signature bow.



Specifications

Model		Stick		Grip	Winding	Frog		Button	
		Material	Color			Material	Eye (Ring)	Metal	Core
Violin 4/4	YBN100-L2, YBN100-M1, YBN100-M2, YBN100-M3, YBN100-H2	CFRP, GFRP	Wood	Lizard Leather/Brown	Gold-filled Brass	Snakewood	Abalone/Nickel Brass Ring	Nickel Brass	Snakewood/Abalone Inlay
	CBB101	CFRP, GFRP	Black	Leather/Black	Silver Plate	Ebony	Pearl (Cupronickel)	Cupronickel	Ebony
Viola 4/4	CBB202	CFRP, GFRP	Black	Leather/Black	Silver Plate/Décor	Ebony	Pearl (Cupronickel)	Cupronickel	Ebony
Cello 4/4	CBB301	CFRP, GFRP	Black	Leather/Black	Silver Plate	Ebony	Pearl (Cupronickel)	Cupronickel	Ebony
Violin 4/4 Zakhar Bron Model	CBB107ZB	CFRP, GFRP	Black	Leather/Black	Gold Brass/Décor	Ebony	Abalone (Gold Brass)	Gold Brass	Ebony/Abalone Inlay

* Specifications and design are subject to change without notice.

Accessory

VHC-2 Hard Case

The VHC-2 case provides the violinist with a slim, lightweight, and durable case for transporting and storing the violin. The case's interior is finished with a high-grade, wine red material that holds the instrument comfortably while large capacity compartments offer convenient storage for accessories.

*The VHC-2 is included in the V10SG and V20SG outfit.



Specifications

		Violin (Artida)		Violins (Braviol)	
		YVN500S		V20G	V20SG
Instrument Features	Design Model	Stradivarius (YVN500S Original)		Guarneri del Gesu	
	Sizes	4/4			
	Top	Spruce YVN500 Grade		Spruce	
	Back, Side, Neck	Maple YVN500 Grade		Maple	
	Finger Board	Ebony YVN500 Grade		Ebony	
	Varnish	Oil Varnish, Antique		Oil Varnish, Shading	
Finish	Fully Hand Brushed				
Parts	Tailpiece	Boxwood			
	Fine Tuner	Gotz "Hill Type" Gold (on E String)		Wittner (on E String)	
	Bridge	Aubert "DE LUXE" with Parchment		Aubert "LUXE" with Parchment	
	Chin Rest	Boxwood			
	Peg				
Strings	Infeld Red (GDA), Goldbrotkat (E)		Dominant (GDA), Helicore (E)		
Set Components	Case	--		Hard Case (VHC2)	
	Bow	--		Wood bow (Pernambuco)	
	Rosin	--		Schwarz	

		Violins (Braviol)					
		V10G	V10SG	V7SG	V5SC	V5SA	V3SKA
Instrument Features	Design Model	Stradivarius					Guarneri del Gesu
	Sizes	4/4		4/4, 3/4, 1/2, 1/4, 1/8	4/4, 3/4, 1/2, 1/4, 1/8, 1/10, 1/16	4/4, 3/4, 1/2, 1/4, 1/8	4/4, 3/4, 1/2
	Top	Spruce					
	Back, Side, Neck	Maple					
	Finger Board	Ebony					
	Varnish	Oil Varnish, Shading			Oil Varnish, Plain	Polyurethane Varnish	
Finish	Fully Hand Brushed				Spray		
Parts	Tailpiece	Ebony		Wittner "Ultra" (4 Fine Tuners)		Ebony	Synthetic Resin
	Fine Tuner	Wittner (on E String)		Wittner "Ultra" (4 Fine Tuners)		on All Strings	
	Bridge	Aubert with Parchment		Aubert	Yamaha Original		
	Chin Rest	Ebony					
	Peg						
Strings	Dominant (GDA), Helicore (E)		Helicore	Prelude			
Set Components	Case	--	Hard Case (VHC2)	Shaped Hard Case (4/4 with Oblong Case)	Shaped Hard Case		ABS Plastic Shaped Case
	Bow	--	Wood bow (Pernambuco)	Wood bow			
	Rosin	--	Schwarz		Super sensitive Mini rosin		Mini rosin (Yamaha Original)

		Violas (Braviol)		Cellos (Braviol)		
		VA7SG	VA5S	VC20G	VC7SG	VC5S
Instrument Features	Design Model	Stradivarius				
	Sizes	15", 15.5", 16", 16.5"	13", 14", 15", 15.5", 16", 16.5"	4/4		4/4, 3/4, 1/2, 1/4
	Top	Spruce				
	Back, Side, Neck	Maple				
	Finger Board	Ebony				
	Varnish	Oil Varnish, Shading	Polyurethane Varnish		Oil Varnish, Shading	
Finish	Fully Hand Brushed	Spray		Fully Hand Brushed		Hand Brushed
Parts	Tailpiece	Wittner "Ultra" (4 Fine Tuners)				
	Fine Tuner					
	Bridge	Aubert	Yamaha Original	Aubert "LUXE"	Aubert	Yamaha Original
	Chin Rest	Ebony			--	
	Peg	Ebony				
Strings	Helicore	Prelude	Lersen(AD), Spirocore(CG)	Helicore	Prelude	
Set Components	Case	Shaped Hard Case		--	Soft Case	
	Bow	Wood bow			--	Wood bow
	Rosin	Schwarz	Piranito	--	Schwarz	Piranito

* Specifications and design are subject to change without notice.



For details please contact:

YAMAHA CORPORATION



P10029492

LST-1902 (P10029492)  Printed in Japan