

# PIANO BUYER'S GUIDE

**Upright Pianos**



# HELPING YOU TO CHOOSE THE PERFECT PIANO

## Welcome to the Yamaha Upright Piano Buyer's Guide.

This guide is packed with information on Yamaha's history of piano making, where and how they are made, the types of upright pianos available from Yamaha and details on each of our ranges, so you can choose the piano that's right for you.

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# OUR HISTORY

**For over a century, Yamaha has blended a tradition of Japanese craftsmanship with innovations in modern materials and sound to create pianos of exceptional tone and breathtaking beauty.**

The Yamaha story began in 1887 when our founder, medical technician Torakusu Yamaha, was asked to repair a broken reed organ at a local primary school. The repair was completed successfully and soon after he went on to produce the first Japanese-made reed organ. In 1900, Yamaha crafted Japan's first acoustic piano, an upright, at a time when interest in western classical music was still relatively low. Only two years later, the first Yamaha grand piano was completed and in 1904, Yamaha sent a number of pianos to the St. Louis World's Fair, resulting in the awarding of an Honorary Grand Prize.

Striving to improve with each piano he built, Torakusu Yamaha travelled the world, studying European-manufacturing techniques and learning from expert craftsmen. Over the course of the 20th century, Yamaha's innovation and research into new technologies, coupled with over a hundred years of piano crafting experience have culminated in the extraordinary Yamaha pianos we produce today.

Today, Yamaha is not only the world's largest producer of acoustic pianos, but also the largest manufacturer of musical instruments.



Torakusu Yamaha



The first Yamaha grand piano, made in 1902

# OUR FACTORIES

## Kitami, Japan

For more than half a century, the finest woods have found their way into the hands of Yamaha artisans in our world-renowned Kitami Mill in Hokkaido, Japan. Yamaha is one of the only piano makers to operate its own mill. Which means our craftsmen have complete control over every piece of wood that goes into our pianos, from milling and aging to gluing and finishing.



## Kakegawa, Japan

For over 50 years, our piano factory in Kakegawa, Japan has been the birthplace of the world's finest pianos. Where Yamaha master builders create our iconic CF, SX, CX and GC grand pianos as well as the U, YUS, SE and SU series uprights.



## Iwata, Japan

Finding the perfect frame for our pianos is not something we take lightly, which is why Yamaha is one of the only piano makers in the world to cast its own piano frames. At our Iwata forge, every ounce of metal of every frame is cast, sanded and finished under the watchful eyes of our expert metallurgists.



## Jakarta, Indonesia

Our b and P series upright pianos, along with our GB grand pianos are manufactured to the highest quality standards you would expect from Yamaha at our 17,000 m<sup>2</sup> factory located on the outskirts of Jakarta. Yamaha Indonesia has been a Yamaha production base for more than 40 years and home to piano production since 1984.



# OVER ONE HUNDRED YEARS OF INNOVATION



**1887**

Torakusu Yamaha successfully crafts a reed organ.



**1902**

Manufacture of grand pianos begins.

**1900**

Manufacture of upright pianos begins.



**1904**

Yamaha pianos receive an Honorary Grand Prize at the World's Fair in St. Louis.



**1928**

Leo Sirota, a noted pianist active in Vienna, praises Yamaha concert grand pianos.

**1954**

The U Series of upright pianos is launched.



**1950**

Completion of Yamaha's first concert grand piano, the FC.



**1965**

Production of Yamaha pianos exceeds that of any other make in the world.

**1967**

Completion of the CF concert grand piano. Invited to the debut performance, German maestro Wilhelm Kempff declares it to be 'a world-class piano,' and in doing so, helps to spread the name of the Yamaha CF around the world.



**1980**

Canadian genius Glenn Gould is introduced to Yamaha concert grand pianos and goes on to use them in a number of important recordings, including the famed 'Goldberg Variations' of his last years.



**1983**

CFIII concert grand piano is unveiled. Krystian Zimerman, who had expressed enthusiasm for the CFIII even as a prototype, uses it for all performances while in Japan and also on tour in Europe.



**1969**

Russian maestro Sviatoslav Richter praises the CF after encountering it at the Menton Music Festival. Thereafter, he uses Yamaha pianos for the rest of his life.



**1985**

The CFIII is selected as an official piano of the 11th Chopin International Piano Competition.



**1995**

Silent Ensemble Piano is launched.

**1998**

Russian pianist Denis Matsuev wins the 11th Tchaikovsky International Competition playing a CFIIIS.



**2003**

Rafal Blechacz (Poland) and Alexander Kobrin (Russia) take joint second place at the 5th Hamamatsu International Piano Competition, both playing the CFIIIS.



**2002**

Japanese Pianist Ayako Uehara wins the 12th Tchaikovsky International Competition playing a CFIIIS.



**2000**

100th anniversary of Yamaha pianos. Disklavier™ Pro2000 is launched.



**1987**

The 100th anniversary of Yamaha's formation



**1986**

The CFIII is selected as an official piano of the 8th International Tchaikovsky Competition. Yukino Fujiwara wins the Marguerite Long-Jacques Thibaud International Contest playing the CFIII. Michiyo Nakamichi wins the Geneva International Music Competition, also playing a CFIII.

**2006**

Winner Alexej Gorlatch and all six other finalists at the 6th Hamamatsu Piano Competition choose to play the Yamaha CFIIIS.

**2009**

Cho Seong Jin wins the 7th Hamamatsu International Piano Competition. Seven of eight prize winners chose to play a prototype Yamaha CFX.

**2008**

Evgeni Bozhanov plays a Yamaha CFIIIS to victory at the Sviatoslav Richter International Piano Competition in Moscow.



**1993**

SILENT Piano™ is launched.



**1991**

CFIIIS concert grand piano is unveiled.



**2010**

Yulianna Avdeeva Prevails at 16th International Chopin Competition on a Yamaha CFX grand piano.



**2016**

Disklavier ENSPIRE™ is launched.



**2012**

The CX Series of grand pianos is launched to carry on the concept of CFX sound creation.



**2011**

Elton John uses a custom-made Yamaha piano in his own 'Million Dollar Piano' show.



**2018**

Launch of SH2 SILENT Piano™ and TA2 TransAcoustic™ Piano.



**2017**

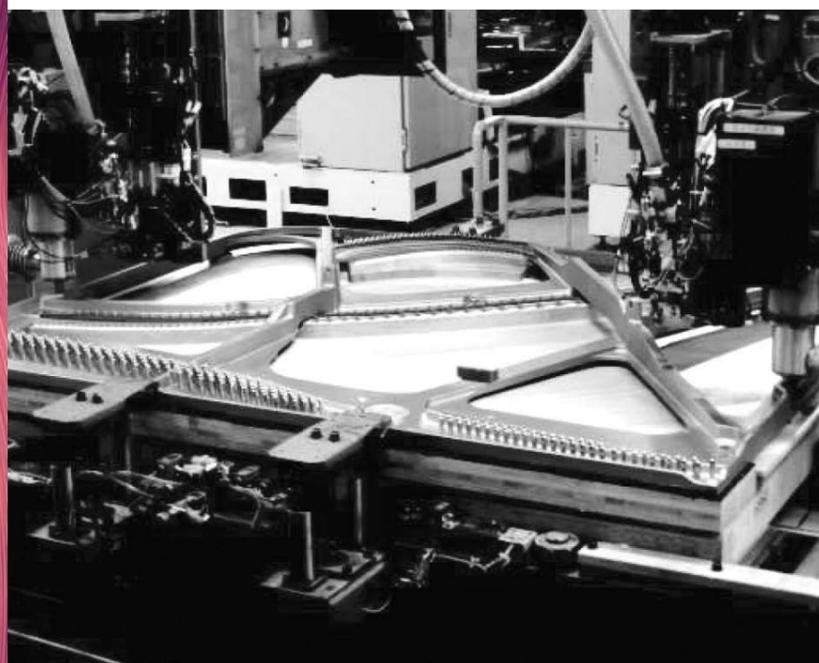
The SX Series of grand pianos is launched (the S6X is launched in 2018).



**2015**

TransAcoustic™ is launched.

CFX are the pianos of choice for 36 of the 78 contestants at the International Chopin Piano Competition. Yamaha pianos are played for 64 performances, more than any other official participating manufacturer.



# THE MAKING OF A YAMAHA UPRIGHT PIANO

## 1 Back posts, soundboard and frame

The first step is to assemble the strong wooden back posts that keep the piano rigid and stable. Then well-seasoned panels of solid spruce are carefully glued together to create the soundboard – critical for determining the overall tone of the instrument. The soundboard is glued to the back posts and this combined unit is then bolted to a heavy iron frame. These elements will work together to support up to 20 tons of tension from approximately 230 piano strings.



## 2 Inserting tuning pins and stringing

Precision engineered to an accuracy of two hundredths of a millimetre, the tuning pins around which the strings are wound are inserted through the iron frame and into the wooden pin block by robots. Each of the 230 high-grade carbon steel strings is then coiled around its tuning pin before the piano undergoes a preliminary tuning in which the strings are plucked by hand. With the side boards, key bed, legs, pedals and castors now assembled, the upright piano is beginning to take shape.



## 3 Assembling and installing the action

The action is a mechanical device that converts key movement to hammer movement, with each of the piano's 88 keys having its own action mechanism composed of over 60 precision parts. Finished to an accuracy of five hundredths of a millimetre, each action mechanism is positioned firmly in place to ensure that the hammers correctly strike the strings. Hammers are constructed from one or two layers of sheep's wool felt shaped around a wooden core, using presses that exert approximately 10 tons of pressure from several angles.



## 4 Installing the keyboard

The balance and guide pins used to guide the up/down motion of the keys and stop them from shifting sideways are carefully adjusted for each key. Then Yamaha craftsmen carefully position the keyboard into the key bed, ensuring a firm fit so the player's touch will be accurately transmitted to the hammers. Experienced Yamaha technicians carefully adjust the various parts of the action mechanism to set movements, distances, alignments, and tensions in a process known as regulation, bringing the total number of individual adjustments to over 1000.



## 5 Tuning and voicing

The core design of Yamaha pianos and the use of meticulously manufactured components enable expert technicians to accurately complete the delicate task of tuning in a relatively short period of time. Then the voicing process involves adjusting the felt and, to some degree, the shape of each hammer to achieve perfectly balanced tones. In a painstakingly intricate procedure, highly trained Yamaha technicians use a tool called a picker to modify the hardness and the elasticity of the hammer felt.

## 6 Assembly and final inspection

Sporting a beautiful, durable finish that is testament to Yamaha's advanced woodworking and finishing techniques, the top and upper front board of the upright piano are then attached to the main body. After finishing touches have been applied, a final inspection is carried out on the piano case. Only when our craftsmen are satisfied that the finished instrument meets Yamaha's strict quality criteria is the piano packaged ready for shipment.

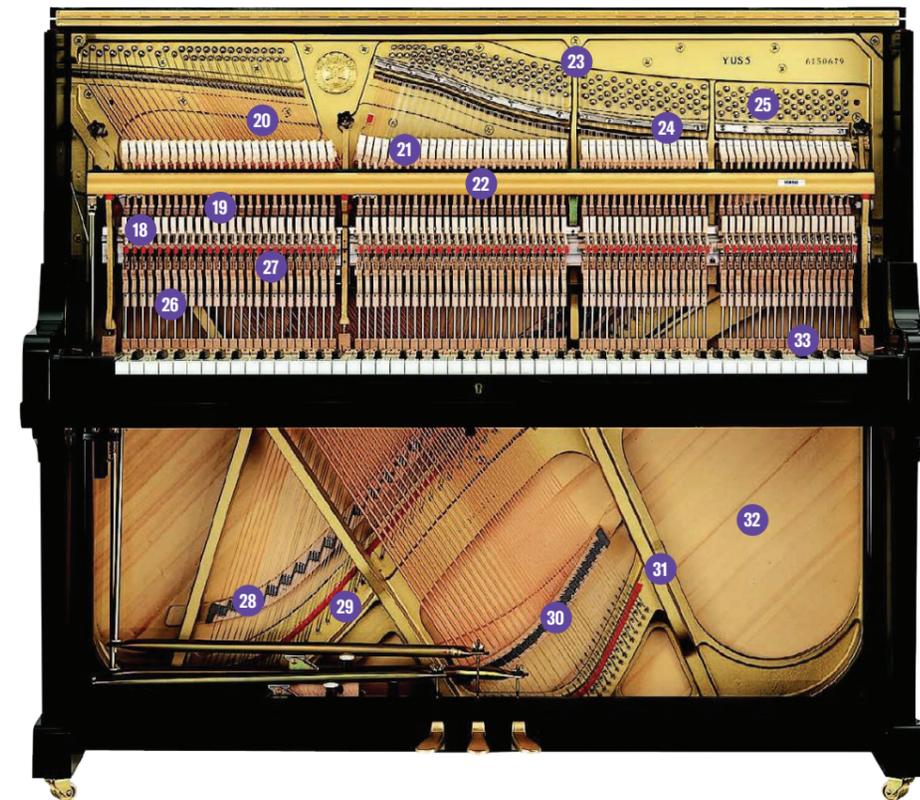


# THE ANATOMY OF AN UPRIGHT PIANO

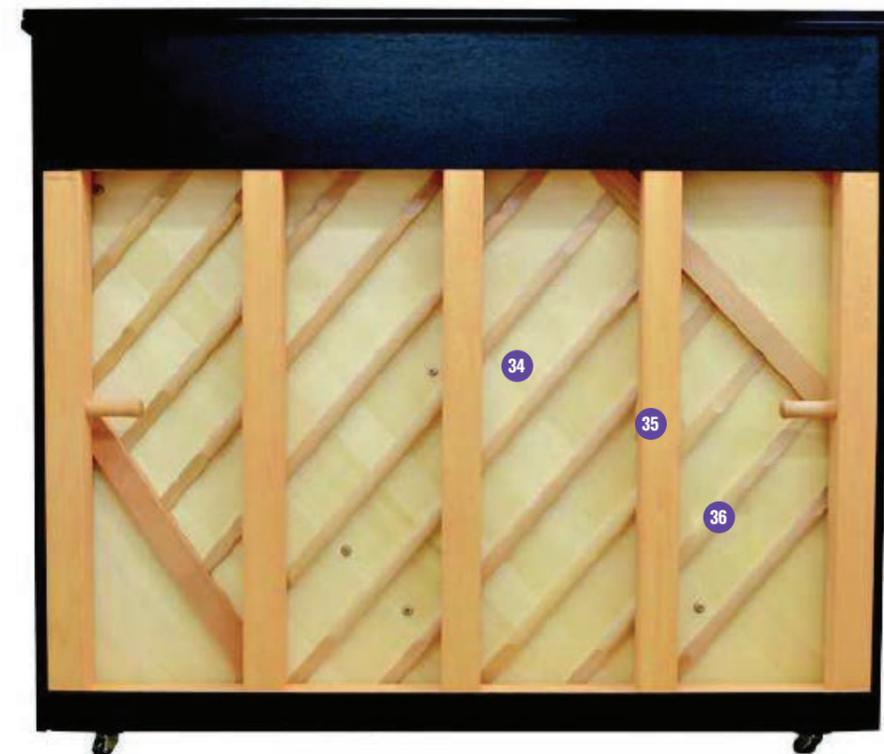
There's a Yamaha upright piano to suit all players, from beginners right through to discerning professional pianists. As the strings within an upright piano are strung vertically and the action features horizontal hammers, the piano case has a much smaller footprint than a grand piano, making upright pianos ideal for homes, schools and smaller performance venues where space may be limited.



- 1 Top board
- 2 Fallboard
- 3 Black keys
- 4 Side arm
- 5 White keys
- 6 Side board
- 7 Lower front board
- 8 Bottom sill
- 9 Upper front board
- 10 Key block
- 11 Key slip
- 12 Leg
- 13 Toe block
- 14 Caster
- 15 Damper pedal (sustain pedal)
- 16 Sostenuto or Muffler pedal
- 17 Soft pedal



- 18 Back check
- 19 Action
- 20 Strings
- 21 Hammers
- 22 Hammer rail
- 23 Frame set screws
- 24 Pressure bar
- 25 Tuning pins
- 26 Whippen
- 27 Bridle tapes
- 28 Long bridge (Treble bridge)
- 29 Hitch pins
- 30 Short bridge (Bass bridge)
- 31 Frame
- 32 Soundboard
- 33 Capstan buttons



- 34 Soundboard
- 35 Back post
- 36 Soundboard rib

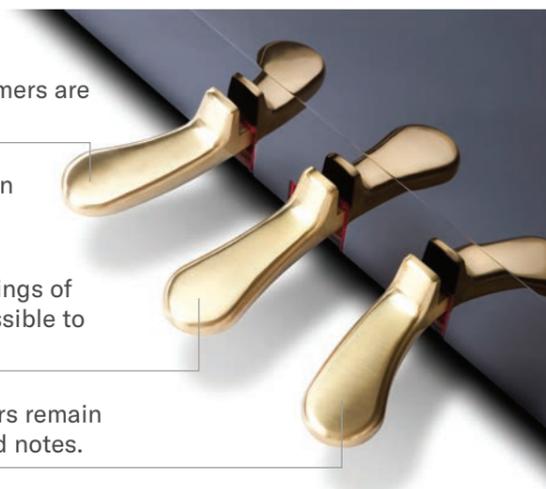
## Upright pianos have three pedals

**Soft pedal (left pedal):** When this pedal is pressed, all of the hammers are moved closer to the strings, reducing the sound volume.

**Muffler pedal (middle pedal):** Also called the practice pedal. A thin piece of felt is dropped between the hammers and strings, greatly muting the sound; or in some models

**Sostenuto pedal:** Keeps the dampers raised and away from the strings of any keys played just before depressing the pedal. This makes it possible to sustain selected notes.

**Sustain pedal (right pedal):** Also called the damper pedal. Dampers remain lifted even if the fingers are taken off the keys, sustaining all played notes.



# THE YAMAHA UPRIGHT PIANO RANGE



**b Series**

Perfect for beginners and intermediate-level players, b Series pianos are designed and built to deliver Yamaha quality standards to those just starting on their musical journeys.



**P Series**

Designed in Europe, and offering excellent tonal reproduction and a fast, responsive keyboard action, P Series pianos are voiced to produce a typically European sound.



**U Series**

Crafted with the more advanced player in mind, Yamaha's iconic U Series incorporates concepts adapted from our grand pianos to create elegant instruments characterised by an impressive tonal performance.



**YUS Series**

Meticulously crafted from the finest materials, YUS Series pianos offer expressive control, superb sound and natural touch through Yamaha's own Ivorite keyboard, enhancing the performance of professional and home pianists alike.



**SE Series**

Drawing on the combined experience of European artists, technicians and artisans, the SE Series combines the meticulous precision for which Yamaha is renowned with the inspiration and warmth of Europe's rich musical heritage.



**SU Series**

Offering superior performance and expressive control that will satisfy even the most demanding professional players, Yamaha's flagship SU Series pianos offer delicate response, a broad palette of tonal colouration and a resonance rarely found in a upright piano.

## Hybrid Pianos

Yamaha Hybrid Pianos start with a beautifully crafted acoustic instrument and infuse the latest technologies to create a truly remarkable playing and listening experience.

### SILENT *Piano*™

SILENT Piano™ models allow the pianist to 'turn off' the acoustic sound and play in superb digital reproduction through stereo headphones, so you can play without worrying about the time of day or those around you.

### TransAcoustic™

A TransAcoustic™ piano is a fully strung acoustic instrument which can also infuse a range of digital sounds directly into the piano soundboard, thus making the piano itself behave as a self-contained acoustic speaker system, the volume of which can be conveniently controlled.

### disklavier **ENSPIRE**™

Disklavier ENSPIRE™ pianos feature a built-in recording and playback system which uses the piano's keys and pedals to recreate your performance in exact detail. Disklavier ENSPIRE™ can also play from a vast library of recordings by artists including Jamie Cullum and Sarah McLachlan.



# b SERIES

## The perfect start to your musical journey

We took everything we learned from more than a century of crafting fine pianos to create an instrument to inspire the next generation of players. The result is an elegant, compact piano with a responsive keyboard and a clear, resonant tone. Whether you're a beginner, a budding virtuoso or accomplished musician, the b Series is an absolute joy to play.



### b1

Offering the joy of owning a new Yamaha piano at an affordable price.

-  Laminated Soundboard
-  Contemporary Cabinet
-  Acrylic Resin White Keys/Phenolic Resin Black Keys
-  Soft/Muffler/Sustain pedals
-  Japanese Strings



### b2

For the ambitious performer on a budget, there is no better instrument.

-  Solid Spruce Soundboard
-  Traditional Cabinet
-  Acrylic Resin White Keys/Phenolic Resin Black Keys
-  Soft/Muffler/Sustain pedals
-  Underfelted Hammers
-  Japanese Strings



### b3

A truly expressive piano offering the perfect blend of quality and affordability.

-  Solid Spruce Soundboard
-  Traditional Cabinet
-  Acrylic Resin White Keys/Phenolic Resin Black Keys
-  Soft/Muffler/Sustain pedals
-  Underfelted Hammers
-  Japanese Strings

### Colours and Finishes



Polished Ebony Brass fittings  
b1, b2, b3



Polished Ebony Chrome fittings  
b1, b2, b3



Polished White Brass fittings  
b1, b2, b3



Polished Mahogany Brass fittings  
b1, b2, b3



Polished Walnut Brass fittings  
b1, b2



Satin Natural Cherry Brass fittings  
b1, b2, b3



Satin Natural Birch Brass fittings  
b1, b2



Open Pore Dark Walnut Brass fittings  
b2, b3

### Player level



< Beginner/Advanced >



< Beginner/Advanced >



< Beginner/Advanced >

### Specifications

	b1	b2	b3
Height (mm)	1085	1128	1204
Width (mm)	1482	1498	1519
Depth (mm)	541	539	616
Weight (kg)	193	203	237
SILENT <i>Piano</i> <sup>™</sup>	SC2	SC2	SC2
TransAcoustic <sup>™</sup>	-	-	-
disklavier <i>ENSPIRE</i> <sup>™</sup>	-	-	-

# P SERIES

## An affordable way to get serious about your music

Designed in Europe and crafted to deliver a European tone, P Series pianos are mid-range models with high-end quality and features. Despite their affordability, these pianos are built with Yamaha's care and attention to detail, giving them excellent tonal reproduction and the sensitive, quick responsiveness of the Yamaha keyboard and action mechanism.



### P116

Even with its compact construction, the P116 delivers superb sound quality and a warm European tone.

-  European Spruce Soundboard
-  Traditional Cabinet
-  Acrylic Resin White Keys/ Phenolic Resin Black Keys
-  Soft/Muffler/Sustain pedals
-  Underfelted Hammers
-  Japanese Strings



### P121

With its magnificent cabinetry and full-sized body, the P121 offers a distinctively rich and expressive sound.

-  European Spruce Soundboard
-  Traditional Cabinet
-  Acrylic Resin White Keys/ Phenolic Resin Black Keys
-  Soft/Muffler/Sustain pedals
-  Underfelted Hammers
-  Japanese Strings

#### Colours and Finishes



Polished Ebony  
Brass fittings  
**P116, P121**



Polished Ebony  
Chrome fittings  
**P116, P121**



Polished White  
Brass fittings  
**P116, P121**



Polished White  
Chrome fittings  
**P116, P121**

#### Player level



< Beginner/Advanced >



< Beginner/Advanced >

#### Specifications

	P116	P121
Height (mm)	1160	1210
Width (mm)	1530	1540
Depth (mm)	580	620
Weight (kg)	216	234
SILENT <i>Piano</i> <sup>™</sup>	SH2	SH2
<u>TransAcoustic</u> <sup>™</sup>	-	-
disklavier <u>ENSPIRE</u> <sup>™</sup>	-	-

# U SERIES

## Iconic, world-renowned and better than ever

With their precise, ultra-responsive touch, clear, full-bodied tone and a reputation for reliability, our U Series pianos are the choice of professional musicians, conservatoires, teachers, students and music lovers, the world over. Add to that our legendary attention to every detail of each piano we craft, and it's no surprise that the U Series has been the world's most popular upright for over half a century.



### U1

A perennial favourite amongst discerning pianists, the U1 offers outstanding musical performance, setting the standards by which many other upright pianos are measured.

-  Sitka/Yezo/Russian Spruce Soundboard
-  Traditional Cabinet
-  Acrylic Resin White Keys/ Phenolic Resin Black Keys
-  Soft/Muffler/Sustain pedals
-  Underfelted Hammers
-  Japanese Strings

### U3

An expansive soundboard and acoustic chamber give the U3 extended power and projection, with the peerless tonal and expressive control of the legendary Yamaha action.

-  Sitka/Yezo/Russian Spruce Soundboard
-  Traditional Cabinet
-  Acrylic Resin White Keys/ Phenolic Resin Black Keys
-  Soft/Sostenuto/Sustain pedals
-  Underfelted Hammers
-  Japanese Strings

### Colours and Finishes



Polished Ebony  
Brass fittings

U1, U3



Satin Ebony  
Brass fittings

U1



Polished White  
Brass fittings

U1, U3



Polished Mahogany  
Brass fittings

U1, U3



Satin American Walnut  
Brass fittings

U1

### Player level



< Beginner/Advanced >



< Beginner/Advanced >

### Specifications

	U1	U3
Height (mm)	1210	1310
Width (mm)	1530	1530
Depth (mm)	620	650
Weight (kg)	228	246
SILENT <i>Piano</i> <sup>™</sup>	SH2	SH2
TransAcoustic <sup>™</sup>	TA2	-
disklavier <i>ENSPIRE</i> <sup>™</sup>	ST	-

# YUS SERIES

## Meticulously voiced for the accomplished pianist

YUS Series pianos achieve a sophisticated signature voicing admired by accomplished pianists the world over. From hand-wound German strings and concert quality hammer felt to meticulous voicing and regulation that brings out a range of colours more reminiscent of a grand piano than a traditional upright, the YUS Series will satisfy even the most discerning players.



### YUS1

The YUS1 offers Yamaha's outstanding musical performance and quality, for those who demand the very best sound.

-  Sitka/Yezo/Russian Spruce Soundboard
-  Traditional Cabinet
-  Acrylic Resin White Keys/ Phenolic Resin Black Keys
-  Soft/Muffler/Sustain pedals
-  Underfelted Hammers
-  German Strings



### YUS3

With a larger cabinet and constructed using premium materials, the YUS3 offers an even greater depth of tone. It also incorporates the sostenuto middle pedal.

-  Sitka/Yezo/Russian Spruce Soundboard
-  Traditional Cabinet
-  Acrylic Resin White Keys/ Phenolic Resin Black Keys
-  Soft/Sostenuto/Sustain pedals
-  Underfelted Hammers
-  German Strings



### YUS5

The grandest of the YUS series, the YUS5 is meticulously crafted from the finest materials and delivers superb sound and natural control through Yamaha's Ivorite keyboard.

-  Sitka/Yezo/Russian Spruce Soundboard
-  Traditional Cabinet
-  Ivorite White Keys/ Wood Composite Black Keys
-  Soft/Sostenuto/Sustain pedals
-  Underfelted Hammers
-  German Strings

### Colours and Finishes



Polished Ebony Brass fittings  
YUS1, YUS3, YUS5



Satin American Walnut Brass fittings  
YUS1



Polished Mahogany Brass fittings  
YUS1, YUS3



Polished White Brass fittings  
YUS1, YUS3

### Player level



< Beginner/Advanced >



< Beginner/Advanced >



< Beginner/Advanced >

### Specifications

	YUS1	YUS3	YUS5
Height (mm)	1210	1310	1310
Width (mm)	1520	1520	1520
Depth (mm)	620	650	650
Weight (kg)	229	247	253
SILENT <i>Piano</i>	SH2	SH	SH2
TransAcoustic™	TA2	TA2	TA2
disklavier <i>ENSPIRE</i> ™	ST	-	-

# SE SERIES

## East meets west for players who prefer European voicing and styling

A marriage of Japanese craftsmanship and European materials, the SE Series combines the meticulous precision for which Yamaha is renowned with the inspiration and warmth of Europe's rich musical heritage. Drawing on the combined experience of European artists, technicians and artisans, the Yamaha SE Series is designed to be the definitive upright piano in this highly discerning market.



### SE122

Crafted using high-grade European components for a beautifully balanced tone and a longer key length for greater control and expression.

-  European Spruce Soundboard
-  Traditional Cabinet
-  Acrylic Resin White Keys/  
Phenolic Resin Black Keys
-  Soft/Muffler/Sustain pedals
-  Underfelted Hammers
-  German Strings



### SE132

At 132cm tall, the handcrafted SE132 is the largest upright piano in Yamaha's range, producing a rich, warm and detailed tone.

-  European Spruce Soundboard
-  Traditional Cabinet
-  Acrylic Resin White Keys/  
Phenolic Resin Black Keys
-  Soft/Sostenuto/Sustain pedals
-  Underfelted Hammers
-  German Strings

### Colours and Finishes



Polished Ebony  
Brass fittings  
SE122, SE132

### Player level



< Beginner/Advanced >



< Beginner/Advanced >

### Specifications

	SE122	SE132
Height (mm)	1220	1320
Width (mm)	1520	1520
Depth (mm)	650	650
Weight (kg)	241	252
SILENT <i>Piano</i> <sup>™</sup>	SH2	SH2
<u>TransAcoustic</u> <sup>™</sup>	-	-
disklavier <u>ENSPIRE</u> <sup>™</sup>	-	-

# SU SERIES

## Our flagship pianos, designed and handcrafted without compromise

From their initial design to the selection of the choicest materials, their impeccable craftsmanship and painstaking final preparation, no effort has been spared in creating these instruments of rare and uncompromising quality. They offer superior performance and expressive control for the most accomplished pianists, with delicate response, a broad palette of tonal colouration and a resonance rarely found in an upright piano.



### SU118

Individually handcrafted from the highest quality materials and finely tuned by elite Yamaha artisans, the SU118 can convey every nuance of emotion.

-  European/Yezo Spruce Soundboard
-  Traditional Cabinet
-  Acrylic Resin White Keys/ Phenolic Resin Black Keys
-  Soft/Muffler/Sustain pedals
-  Underfelted Hammers
-  German Strings



### SU7

Pursuing the ultimate piano performance, and remarkably close in character to a grand piano, the SU7 is quite simply the pinnacle of Yamaha's upright piano range.

-  European Spruce Soundboard
-  Traditional Cabinet
-  Ivorite White Keys/ Wood Composite Black Keys
-  Soft/Sostenuto/Sustain pedals
-  Underfelted Hammers
-  German Strings

#### Colours and Finishes



Polished Ebony  
Brass fittings  
SU118, SU7

#### Player level



< Beginner/Advanced >



< Beginner/Advanced >

#### Specifications

	SU118	SU7
Height (mm)	1180	1310
Width (mm)	1510	1550
Depth (mm)	590	670
Weight (kg)	230	273
SILENT <i>Piano</i>	-	SH2
<u>TransAcoustic™</u>	-	-
disklavier <u>ENSPIRE™</u>	-	-

# SILENT Piano™

## A real piano you can play through headphones

The extraordinary Yamaha SILENT Piano™ is a real acoustic piano that you can silence and play through headphones, so you can play at any time of the day or night without disturbing neighbours or other family members.

SILENT Piano™ players enjoy the best of both worlds: the authentic sound and touch of an acoustic piano with the convenience and features of a digital piano, including recording, playback, tonal control and connectivity to external devices.



## Your favourite voices in your headphones

Yamaha Silent Pianos are real, acoustic instruments with keys, hammers, strings and pedals, just like any other conventional piano. But discreetly located under the left side of the keyboard is a control panel that takes the player into a different world.



In 'Silent Mode', the hammers no longer hit the strings as every subtle nuance of the key and pedal movements is detected by sensors and used to control digitally reproduced sounds from a Yamaha CFX concert grand piano, that only the player hears through headphones.

Various Yamaha upright piano models are available as Silent Pianos (see the individual model range pages in this guide). There are two types of SILENT Piano™ available: SH2 and SC2.



### SH2

Equipped with a high-performance silencing function, a range of instrument voices and an abundant array of other functions to create the fullest piano playing experience.

## Immerse yourself in the natural sound of the piano

This binaural sampling of a Yamaha CFX concert grand piano provides the player with an incredibly immersive headphone experience with every subtle nuance of their performance faithfully reproduced.



## Record your performances

And this digital technology opens up a whole new world of possibilities. Particularly useful when learning, a SILENT Piano™ includes the facility to record performances to either an internal recorder or externally to a computer via USB.

The Smart Pianist App (available as a free download) enables the player to select voices, control the internal metronome and display the music score on a smart device.



And the headphones that come with SILENT Piano™ are designed in a way that minimises the strain on users after long hours of playing.



### SC2

Equipped with a high-performance silencing function that provides the rich, comfortable playing experience of an acoustic piano, even when wearing headphones.

# TransAcoustic™

## A real piano with a volume control

TransAcoustic™ is a real, fully strung acoustic piano that can produce digital sounds enhanced by natural acoustic resonance. Like a SILENT Piano™ (see previous page), a TransAcoustic™ Piano can send digitally sampled sounds directly to headphones for completely muted performances that won't disturb others. But a TransAcoustic™ Piano can also be played without headphones or external speakers in performances that can be volume controlled.



## Play loud. Play quiet. Play silent.

Using the same sound-muting mechanism to prevent the hammers from striking the strings as a SILENT Piano™, a TransAcoustic™ Piano can also be played silently through headphones. But a TransAcoustic™ Piano can also be played without headphones or external speakers in performances that can be volume controlled, with the soundboard and resonating strings taking the place of a conventional loudspeaker. This extended resonance effect produces deep, rich, natural sounding tones and powerful low-pitched sounds similar to those generated during acoustic piano play.



## Record, stream, connect

Alongside the obvious benefits of a real piano in which the volume can be 'turned up or down', TransAcoustic™ technology also provides access to a range of stunning instrument voices including Yamaha's flagship CFX and Bösendorfer's legendary Imperial grand pianos,



along with built in recording and the facility to play along with music streamed via Bluetooth. The smart device app "Smart Pianist" (available as a free download) enables the player to select Voices, control the internal metronome and display the music score on a smart device.



## TransAcoustic™ models

Various Yamaha upright piano models are available as TransAcoustic™ Pianos (see the individual model range pages in this guide).

# disklavier **ENSPIRE™**

## A player piano for the 21st Century

At the heart of every Disklavier ENSPIRE™ is a beautifully crafted Yamaha acoustic piano. With built-in sensors which meticulously capture every nuance of key, hammer and pedal movements in real time, performances can be recorded and played back in precise detail, giving players and composers the ability to instantly review their musical ideas and recitals.

By using the smart device app, the Disklavier ENSPIRE™ also offers revolutionary music streaming, allowing you to discover and enjoy thousands of piano performances in the comfort of your own home. Furthermore, multiple Disklavier ENSPIRE™ pianos can be linked to share piano recordings with other Disklavier ENSPIRE™ users, taking musical collaborations, rehearsals and writing sessions to another level.

# YAMAHA

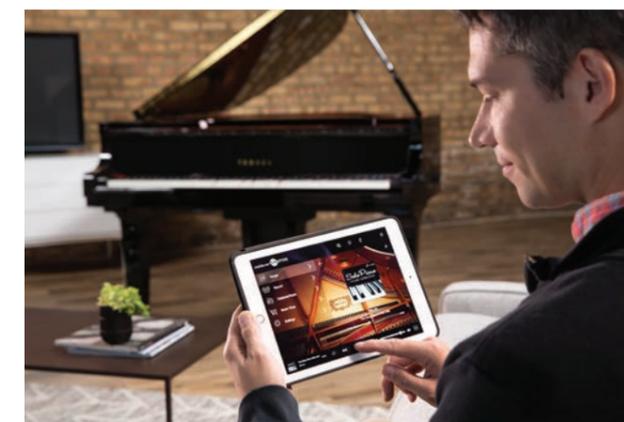


### Perform, record, share

All the features of the SILENT Piano™ are there, so you can play privately through headphones, connect with smart devices and apps, and access a range of stunning instrument voices. You can also make recordings directly to a USB device, an effective (and motivating) tool for teaching advanced piano students. And with digital performances equal in quality to live performances by professional pianists, aDisklavier ENSPIRE™ lends an air of refined elegance to hotels and restaurants.

### Bringing the world's leading pianists into your home

A world-class piano in its own right, the Disklavier ENSPIRE™ also features hundreds of 'built-in' performances by leading artists. And these aren't simple recordings of the music, they're sophisticated recordings of the precise speed and timing of the keys and pedals as they were originally played, perfectly recreating the actual performance with all its atmosphere in your home or venue. And Yamaha provides even more songs via the 24-hour DisklavierRadio streaming service.



# SPECIFICATIONS



		b Series			P Series		U Series		YUS Series			SE Series		SU Series			
		b1	b2	b3	P116	P121	U1	U3	YUS1	YUS3	YUS5	SE122	SE132	SU118	SU7		
<b>Soundboard</b>	Material	Laminated			Solid Spruce		European Spruce		Sitka / Yezo / Russian Spruce		Sitka / Yezo / Russian Spruce			European Spruce		European / Yezo Spruce	European Spruce
<b>Bridge</b>	Treble Bridge	Laminated														●	
		Overhanging		●	●			●				●		●			
	Bridge-Height Adjuster Bolt			●			●	●	●	●	●	●	●	●	●	●	●
<b>Rib</b>		Sitka Spruce / European Spruce / Pinus			European Spruce		Sitka / Russian Spruce		Sitka / Russian Spruce			Sitka / Russian Spruce		European / Russian Spruce			
<b>String Origin</b>	Supplier Origin	Japan			Japan		Japan		Germany			Germany		Germany			
<b>Back Post</b>	Number	4		5	4	5	5		5			5		5	6		
<b>Frame</b>	Casting Method	V-Pro			V-Pro		V-Pro		V-Pro			V-Pro		Hand/V-Pro	Hand Casting		
<b>Hammer</b>	Top Felt Origin	Japan			Japan		Japan		Germany			Germany		Japan	Germany		
	Under Felt			●	●	●	●	●	●	●	●	●	●	●	●	●	
<b>Keyboard</b>	White Keys	Acrylic Resin			Acrylic Resin		Acrylic Resin		Acrylic Resin		Ivorite	Acrylic Resin		Acrylic Resin	Ivorite		
	Black Keys	Phenolic Resin			Phenolic Resin		Phenolic Resin		Phenolic Resin		Wood Composite	Phenolic Resin		Phenolic Resin	Phenolic Resin	Wood Composite	
<b>Pedal</b>	Sostenuto							●		●	●		●		●		
<b>Cabinet</b>	Soft Close						●	●	●	●	●	●	●	●	●		
	Tone Escape	●	●	●	●	●			●	●	●	●	●	●	●		
<b>Caster</b>	Single		●	●	● Rear	● Rear	●	●	● Rear	● Rear	● Rear	● Rear	● Rear		● Rear		
	Double				● Front	● Front			● Front	● Front	● Front	● Front	● Front		● Front		
<b>Weight (kg)</b>		193	203	237	216	234	228	246	229	247	253	241	252	230	273		





[uk.yamaha.com](http://uk.yamaha.com)