Over the past several years the R & D group at Ibanez has been conducting extensive research on the elements that make great sounding, responsive electric guitars and basses. Advanced computer analysis, developed by the engineers at Ibanez, has provided a wealth of new information regarding the materials and construction of truly superior instruments.

It is commonly known that the bridge, pickups, and strings are important factors in sound definition. Other factors, such as body shape and size, weight and materials, are often left to chance, or at best to design style and market availability. It is precisely these "other factors" that differentiate good instruments from good ones. Ibanez research has shown that elements of body design affect the basic vibration modes of an instrument. The vibration modes, in turn, directly affect the instrument's sound and playing response. When all of these design elements are optimized the instrument virtually "sings" by itself.

When any one or more of these elements are off, the instrument becomes dull, taking away its full potential. A well designed instrument should have its vibration modes distributed throughout its frequency range. This makes the instrument responsive across the entire tonal spectrum. The modes should be even in amplitude for a balanced sound. Finally, the modes should not interfere with each other, creating areas of weak response or variance sound. The modes should complement each other allowing the full range of the instrument to ring true.

6

Extensive vibration analysis has revealed that body shape, size, material and weight, along with neck and headstock mass, all contribute to an instrument's unique vibration patterns. Moreover, these contributions are interactive and must be "tuned" to each other for optimum performance.

The following computer images illustrate the basic vibration modes of Ibanez electric bass guitars. After analysis the body goes through its vibration modes in the following sequence: X, Y, Z, X, Y, Z, etc. until all vibration ceases. The vibration modes are identified in this manner and all information regarding their resonant frequency, relative amplitude, decay characteristics and interaction are obtained. The images shown here were generated on the Structure Dynamic Analyzer developed at Ibanez.

Computer aided research, such as the tests on the Structure Dynamic Analyzer, has provided Ibanez with valuable insight into the vibration potential of many types of electric guitars and basses. As a result, Ibanez has been able to optimize the design of each guitar and bass, assuring that each Ibanez instrument is built to realize its full potential.

IBANEZ FRIENDS

Alex Blake
Pai Lyndt (THIN LIZZY)
John McFee (FLEETWOOD MAC)
The Police
Mike Porcaro (TOTO)
Victor Bailey

ELECTRIC BASS GUITARS

Music is changing all the time, consequently the demands musicians make of their instruments are also constantly changing. To the midst of all this rapid movement, it's easy to see how a large company might lose sight of its initial commitment to meet these demands and further the state of the art. At Ibanez, however, the spirit of commitment to today's players continues to live on as evidenced by the instruments seen in this catalog.

Both the musician and the newly designed Roadster II series owe a reflection of the extreme pride and care that go into all Ibanez fretted instruments. As you go through this catalog you will notice many new ideas that have been applied to these lines. Some of these innovations occur in electronics or hardware, while others pertain to overall construction. Each and every change has been carefully contemplated and tested to ensure you complete satisfaction. Whatever your needs are in a bass, we're sure that you'll find them fulfilled with an Ibanez.
MC324

The MC3241 features the Bartolini Super 15 pickup for a wide range of distinctly
versatile tone and clear notes, especially at higher pitches. The 15 pickup uses two unidirectional
magnets and four string sensors, each positioned at the bridge and pickup to provide
consistent and even sound quality. The Bartolini pickup is a high-performance system that
provides versatile sound attributes for both clean and distorted tones.

MC3244 and MC3246

The MC3244 and MC3246 versions feature a Bartolini C5 pickup with five string
sensors, providing a wider range of versatility and control for the most demanding
players. The MC3244 version is designed for 4-string basses, while the MC3246 is
specifically for 5-string basses. These pickups are ideal for players who require extra
control and precision in their playing.

VOLUME TONE RE M A C H I N E HEAD

The VOLUME TONE RE machine head is a lightweight system designed for
balanced sound and ease of use. The machine head is precision-engineered
for smooth, consistent tuning, and provides a sleek and modern aesthetic.

SUPER PPS-35S PICKUPS

These high-performance pickups feature a balanced output to provide a smooth
transition from natural to distorted tones. The pickups are equipped with
large and powerful magnets that enhance the bass tone, making them
suitable for a wide range of musical styles.

BALANCED COMFORT

The balanced neck allows for precise control of tone and sustain. The neck and
basswood body combination provides a balanced tonal quality, ideal for
players who require versatility and comfort.

EB-3 TONE SYSTEM

The EB-3 tone system is a versatile design that allows for
multiple sound options, enabling players to create unique
sounds. The tone control is adjustable for bass, mid, and
treble, providing precise control over the tone balance.

THE NEW SUPER J PICKUP

The Super J pickup features a full-frequency response and
consistent pickup for a wide range of tones. This pickup
is ideal for players who require musical flexibility and
endurance.

24 FRETS

The 24-fret design allows for longer sustain and
enhances the overall playing experience. The extended
scale length provides increased sustain and control,
resulting in a more饱满和 vibrant sound.

CONTROLS

The controls feature a balance of tone and volume,
providing players with full control over the sound
characteristics. The volume control is fully adjustable,
while the tone control offers a range of sound
modifications, enabling players to fine-tune their sound
precisely.

MUSICIAN BASS

The 1962 line-up piece again proves why the MC324 is ideal for musicians.
The MC324 bass is equipped with Bartolini pickups, providing a
wide range of sounds and versatility. The balanced tone quality
and precision control make it an excellent choice for
players seeking a versatile bass with a strong bass sound.

The lightweight and contoured body design
offers players a comfortable playing experience,
allowing them to focus on their performance without
compromising comfort.

MC324

Available in:
- MC3241: 1 Pickup
- MC3244: 4 Pickup
- MC3246: 5 Pickup

MC3244 and MC3246:
- 4 or 5 string
- Bartolini pickup
- Balanced sound
- Versatile tone control

MC3241:
- 1 string
- Bartolini pickup
- Versatile tone control

MC3241:
- 1 string
- Bartolini pickup
- Versatile tone control

MC3244:
- 4 string
- Bartolini pickup
- Versatile tone control

MC3246:
- 5 string
- Bartolini pickup
- Versatile tone control
The RB224 and RB226 were created to satisfy the player who wants all of the latest technological features of no expense. The RB224's highly designed all-Mahogany body is finished in black and cream bonded. The custom Rock Maple neck features a two-piece reinforced fingerboard for smooth fast playing. Super F5 and III pickup mix levels are controlled through the use of individual tone and volume controls. Unique and tone are controlled by separate tone control knobs.

Tri-Sound Selector Switch
The RB224 is equipped with the unique Tri-Sound Selector switch. Select either both, single or parallel coil operation at the flip of the switch.

ACCU Cast 8-B Bridge Taipiece
The EB224/8 CAST 8-B Bridge taipiece is a new concept in bridge construction. It eliminates the traditional strings of strings as it is attached to the body. Each string runs directly through the saddle. No compensating saddle is necessary. A single control provides the desired amount of string sag without twisting or bending.

Because the Roadstar Bass Series was brought about through close work with many professional musicians, it is formed to be flexible enough to suit just about any style of playing. Roadstar Basses are offered in a number of different models and price ranges, each one individually designed to fulfill a particular need.
NEW FRETLESS FINGERBOARD
The new fanned fretless fingerboard features thin, high-quality frets placed at specific intervals of the guitar's length for perfect intonation.

STRING GUIDE
The stringed-string guide is shaped like a real string to ensure smooth, effortless stringing.

TONE BLOCK POST
The tone block post provides a snug grip against the strings, ensuring smooth string control.

SURE GRIP II CONTROL KNOB
The sure grip II control knob is designed for easy height adjustment and maximum sustain with minimum vibration.

CONTROLS
- Neck
- Body: Aluminum S. Film
- Bridge: Aluminum S. Film
- Frets: 24 - 25
- Tuning pegs: Aluminum

R8820 and R8840

The R8820 and R8840 basses offer modern styling and contemporary features for the bassist who demands quality. The R8820's contoured body is furnished with a super-slim neck, a real wood bridge, and a custom-built tuners. The lightweight body provides a comfortable and ergonomically designed instrument.

The R8840 is available in three finishes, including the ultra-modern high-gloss finish. The R8840 offers the option of a fanned fretless system, providing a unique playing experience.

LOADSTAR II BASS DELUXE