

Xeno

Artist Model



Extraordinary C and B \flat Trumpets



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YAMAHA
YAMAHA CORPORATION





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Artist Model

Xeno Artist Model Series

Series Background

Some trumpeters are really happy with their horns. They are 100% satisfied with the response, tuning, projection, ease of play, and especially the sound of their trumpet. But either they are very very lucky and have found a near perfect instrument. Or perhaps they don't realize how really good a fine trumpet can be.

Many players are eternally searching for that illusive ideal trumpet and go to specialists to have their horns 'tweaked' with new leadpipes and other parts to try to improve them. They don't compromise in their playing so why should they settle for less than the best in an instrument?

Yamaha decided to take up the challenge of creating a trumpet series so expressive that they play at a level equal to—or well above—the very best of the customized models.

Development Story

Yamaha selected development artists who really know the trumpet, and who share the same dream as Yamaha—the dream of a truly great trumpet. Yamaha R&D staff and their design team worked hand in hand with these artists studying every single part of the trumpet, down to the most miniscule details. The team learned how to create higher-level trumpets, but then Yamaha had to figure out how they can be produced consistently.

The Xeno Artist Model project involved a lot of behind the scenes work by a large crew of artisans, technicians, scientists, and others, who had to figure out how to build the parts and prototypes needed to satisfy these artists. And then they created special new production techniques, methods of fine-tuning, and painstaking final adjustments following unprecedented precision tolerances.



Bob Malone
North American Brass
R&D, the principal
liaison with the artists



Shunichi Niwata
Trumpet designer and
Project leader



Masao Suzuki
Built all prototypes for
the project



Norihisa Fukuda
Trumpet designer



Naoto Horie
Designed production
operation for the series



Tadashi Aono
Created new bell making
technique



Mitsuyoshi Yamamura
In charge of high
precision tests and
inspections



Shigeo Sugita
Makes the special Xeno
Artist Model bells

The Xeno Artist Model The "Chicago" Series

The primary consultant for the CH Series was John Hagstrom of the Chicago Symphony. In addition to testing parts and later prototypes with John and his colleagues, some very famous vintage trumpets owned by the CSO were used as benchmarks in the process. Those horns were studied in great detail, not to copy them, but rather to understand what made them so special. They had their flaws too, yet they set a fantastic reference standard difficult for any modern trumpet to match.



John Hagstrom

A member of one of the world's most famous trumpet sections, the Chicago Symphony Orchestra, John's knowledge and talent guided Yamaha in their ambitious project.

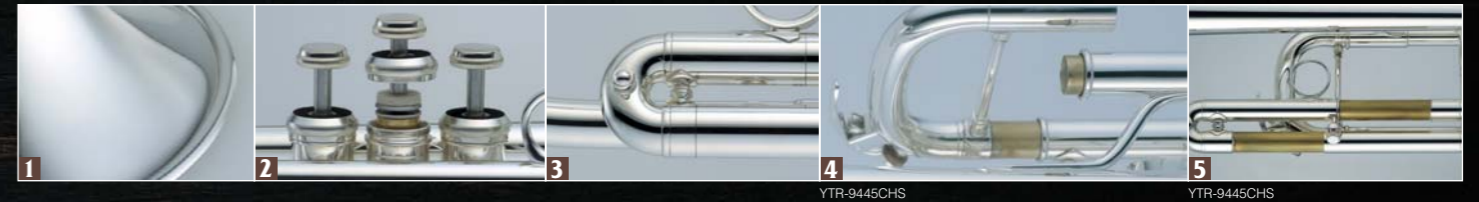
Here are a few of many the technical details behind the CH Series design. Viewed separately, each detail may seem small and unimportant, yet all contribute to the final unprecedented expressive capabilities of the trumpet.

- 1 The bell is one of its most important elements. The wall thickness gradually tapers, thinning as it gets closer to the rim. The flat dome style rim is wider than most modern trumpet bell rims, which helps hold the sound together even at extreme dynamics. The seam of the bell is aligned with the braces to improve tonal projection, and the braces are smaller so the bell, valves and leadpipe are closer together, giving a natural vibrancy to the entire trumpet.
- 2 The new shape of top and bottom valve caps and the skeletonized interior valve stems contribute greatly to the flexible response of the trumpet.

3 The first valve slide features a special brace which gives a stronger focus to the core of the tone for unparalleled definition and clarity.

4 The leadpipes are based on Bob Malone's own design (MC1 for C, MB1 for B \flat) and on the C its long taper ends in a reversed tuning slide. These leadpipes are largely responsible for the tonal expressivity of the trumpets, and you will find that notes slot easily and comfortably in all ranges, with exceptionally accurate intonation.

5 The 3rd valve slide stopper has been moved to allow extended slide play for a low F or to facilitate alternative fingerings. The oversized button on the end of the slide has been carefully researched to fine-tune the blowing resistance for better control.



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YTR-9445CHS

C Trumpet

- Bell Diameter 123mm (4-7/8")
- L Bore size 11.73mm (0.462")
- Bell material Tapering thickness, yellow brass, one-piece bell
- Weight Heavyweight
- Finish Silver plate
- Mouthpiece TR17B4



Xeno
Artist Model

YTR-9335CHS

B \flat Trumpet

- Bell Diameter 123mm (4-7/8")
- ML Bore size 11.65mm (0.459")
- Bell material Tapering thickness, yellow brass, one-piece bell
- Weight Heavyweight
- Finish Silver plate
- Mouthpiece TR17B4

The Xeno Artist Model The "New York" Series

Robert Sullivan was Yamaha's main consultant for the NY Series project. Sullivan is an outstanding trumpeter and educator. The project began while he was assistant principal in the New York Philharmonic, and the collaboration was carried out simultaneously as Yamaha developed the CH trumpets in Chicago. The technical secrets learned from the two projects were combined together helping Yamaha learn even more about tonal colors, projection, intonation, and everything else needed to create a truly expressive instrument.



Robert Sullivan

Robert Sullivan is an active soloist and clinician. Prior to his appointment in the Cleveland Orchestra as Assistant Principal Trumpet in September 2003, Robert served as Associate Principal Trumpet in the New York Philharmonic for eleven seasons. He was named to the faculty of the Manhattan School of Music in 1994 and joined the faculty of the Cleveland Institute of Music in the fall of 2004.

Here are some of the technical details behind the NY Series design. The NY trumpets may not look very different from other pro model trumpets, but the sound and response of these instruments are entirely new.

- 1 The bell is one of its most important elements. Similar to the CH Series, the wall thickness gradually tapers, thinning as it gets closer to the rim. The flat dome style rim is wider than on most modern trumpet bell rims, which helps hold the sound together even at extreme dynamics. And the seam of the bell is aligned with the braces to improve tonal projection.
- 2 The new shape of top and bottom valve caps and the skeletonized interior valve stems contribute greatly to the flexible response of the trumpet.
- 3 The braces between the bell, valve casing, and leadpipe are smaller bringing the parts closer together, which gives a natural vibrancy to the entire trumpet.

The 3rd valve slide stopper has been moved to allow extended slide play for a low F or to facilitate alternative fingerings. The C trumpet has an oversized button on the end of the slide to fine-tune the blowing resistance while the B \flat has a smaller button.

The leadpipes are based on Bob Malone's own design (MC2 for C, MB2 for B \flat). They are also one of the more crucial components of the trumpets, and you will find that notes slot easily and comfortably in all ranges, with exceptionally accurate intonation and an open feeling response.



Xeno
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YTR-9445NYS

C Trumpet

Bell Diameter 123mm (4-7/8")
 L Bore size 11.73mm (0.462")
 Bell material Tapering thickness, yellow brass, one-piece bell
 Weight Heavyweight
 Finish Silver plate
 Mouthpiece TR17B4



Xeno
Artist Model

YTR-9335NYS

B \flat Trumpet

Bell Diameter 123mm (4-7/8")
 ML Bore size 11.65mm (0.459")
 Bell material Tapering thickness, yellow brass, one-piece bell
 Weight Heavyweight
 Finish Silver plate
 Mouthpiece TR17B4