



Graph Tech Guitar Labs  
Contact: Jesse Parks  
(604) 940-5353 ext. 132  
[jesse@graphtech.com](mailto:jesse@graphtech.com)  
[www.graphtech.com](http://www.graphtech.com)

**FOR IMMEDIATE RELEASE:**

## **Graph Tech Launches Ratio Machine heads for Bass Guitar**

Ratio Machine Heads are factory installed on several guitars, including Washburn, Martin, Framus, Riversong and more. Graph Tech has now launched, to OEM customers, the same patented technology for 4, 5 and 6 String Bass.

Ratio Tuned Machine Heads are the first and only machine head to incorporate different string gauges into the tuning equation. Each string responds the same to tuning adjustments, making tuning faster and accurate. Ratio Machine heads are the perfect balance of speed and precision on every string.

Ratio Bass Tuners are now available to OEM customers for 4,5 and 6 string bass. With gears ranging from 16:1 to 48:1 for several configurations. 4 to a side, 3 + 1, 4+2 etc.

*"After receiving such a great response from the guitar market, we saw the need to offer the same technology to bass manufacturers. With the core diameter being much different from guitar strings, it took us a while to determine the correct gear ratio for bass. After some trial and error, we have achieved the balance and precision that is expected of Ratio. Because we have worldwide patents for this technology, we know there are more than guitar players that we can help and ultimately improve the playing experience. Guitar, now bass, what's to come? Stay tuned (pun intended) adds Dave Dunwoodie, President and Head Honcho at Graph Tech Guitar Labs.*

For more information visit [www.graphtech.com](http://www.graphtech.com) or [sales@graphtech.com](mailto:sales@graphtech.com)

###

**About Graph Tech Guitar Labs:** Founded in 1983 by President Dave Dunwoodie, Graph Tech Guitar Labs manufactures more guitar nuts and saddles than any other company in the world. Focused on innovations to improve guitar tone and vibration for optimal performance, Graph Tech is the maker of TUSQ®, TUSQ XL, Black TUSQ XL, String Saver, ResoMax, GHOST® Modular Pickup Systems, TUSQ Picks, Chops PrePlay, and more. The world's leading retailers, luthiers, and guitar manufacturers choose Graph Tech products, including Taylor Guitars, Martin Guitars, Ovation, Cort, Carvin, Washburn, Fender Custom Shop, Godin, Ibanez, Samick, Schecter, Gibson, and Yamaha custom shop. Graph Tech has over 45 patents and trademarks around the world.