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Speaker Manufacturer MISCO Introduces Ideal Sonic Match Yamaha™ NS-10™ Replacement Woofer

February 13, 2018 – Minneapolis – Today US OEM speaker manufacturer MISCO announced the introduction of a direct replacement woofer for the most widely used near field studio monitor loudspeaker – the long-discontinued Yamaha™ NS-10™. While other companies have made drop-in replacement woofers with white cones, MISCO is the first to match the sonic character of the original woofer precisely.

Using state of the art Klippel laser-based Scanning Vibrometer, and Near Field Scanner, MISCO engineers were able to pinpoint those factors that make an NS-10 driver sound like it does, and choose the materials and tuning needed to match the iconic NS10 sound. MISCO found it necessary to use the same seamed paper cone design as the NS-10 to capture the essence of its signature sound. As seamed cones with the right material properties were not readily available, MISCO opted to manufacture a paper pulp seamed cone, as well as assemble the speaker, in their Minneapolis factory.

Besides using extensive measurements, MISCO enlisted several professional recording engineers to evaluate prototype speakers to make sure their woofer had achieved the goal of matching the Yamaha woofer's timbre.

Los Angeles-based mixing engineer Joe Zook (U2, Katy Perry, Weezer, Brett Dennen, and many more A-list artists) remarked, “Finally, someone did it! The NS-10 woofer has been resurrected! Thanks, Bold North for your commitment to replicating as opposed to ‘improving.’ I have total confidence in my new MS-10s!”

Details of the product’s development and objective measurements of the Yamaha, MS10-W and a competitor’s woofer are available in MISCO’s [Technical Brief](#). The product is [available for sale](#) factory-direct at \$219.95 each for single units and \$189.95 each for two or more.

The MS10-W is the first product in a new brand of ultra-premium component loudspeakers called Bold North Audio™ (BNA). Bold North Audio world-class performance is rooted in fundamental scientific research, careful materials selection, precision manufacturing and most of all, love of music. Future products under development include ultra-premium quality midranges, woofers, and tweeters.

The new brand is aimed to meet the needs of pro audio companies, recording studios, branded high-end HiFi speaker system manufacturers, and advanced DIY hobbyists. All Bold North Audio products will be Klippel Verified (designed and 100% tested with Klippel equipment) and assembled in Minneapolis.

About MISCO

Seventy years ago (1949) Cliff Digre started the Minneapolis Speaker Company – now MISCO. A son of Norwegian immigrants who settled in Minnesota, his vision for the little company was bold—to challenge the traditional loudspeaker industry with more creative solutions and superior client service.

Today MISCO is recognized as a global leader in OEM loudspeaker manufacturing. Well established as a supplier to manufacturers in widely varied markets such as Military, Medical, Aerospace, Mass Transit, Pro Audio, and others, MISCO is one of the few remaining

US speaker companies to have resisted off-shore migration of electronics companies.

