The FURUTECH Alpha-OCC Story

Furutech, founded in 1988, approached Furukawa Electric and quickly became the worldwide distributor of their extreme high purity PCOCC single-crystal oxygen-free copper. In the 90s Furutech began researching and developing further refinements of this technology. When Furukawa eventually discontinued sales of its own PCOCC cables in 2000, Furutech were ready with their Two-Stage α (Alpha) Cryogenic and Demagnetizing Process applied to Furukawa Single-Crystal Copper.

The new cable, Furutech's α (Alpha)-OCC, yields an even more refined sound than PCOCC with quieter backgrounds, tighter and more extended low-frequencies, a weakness of original PCOCC.

Furutech 2-Stage Cryogenic and Demagnetization Alpha Process

The Two-Stage α (Alpha) Cryogenic and Demagnetizing Process begins with a deep, conditioning cryogenic freeze of all metal parts, including conductors and connectors. Using high-end refrigerants - liquid N_2 or He - Furutech achieves between -196 to -250C. At these extremes of temperature the metal parts actually change molecular structure, removing internal stress. Molecules bond together more tightly and the overall structure becomes more stable. Cryogenic treatment enhances electrical conductivity, power and signal transfer.

Stage two in the Alpha Process exposes the same parts to Sekiguchi Machine Sales Co., Ltd's patented Ring Demagnetization treatment. Ordinary high power magnets often *increase* magnetization effects and leave some areas more magnetized than others. Just like a CD spinning over a fixed magnet; when the CD stops the area above the magnet is still exposed to the magnet's field. The patented Ring Demagnetization Process uses controlled attenuation to eliminate all field effects for immediately more vivid and colorful improvements. Ring Demagnetization further enhances conductivity of all treated materials as well.

All metal parts used in Furutech products are given the Two-Stage Alpha treatment, and Furutech's deMag keeps interconnects, speaker cables, power cords and connectors in perfect demagnetized condition.

Even Furutech's most affordable products are made with the same manufacturing precision and special plating techniques as their top products, including all non-magnetic, hyper-pure materials.

All Furutech Two-Stage Alpha Process-treated conductors are named α (Alpha) Conductors manufactured with the following materials for the most refined sound possible:

PCOCC:	α (Alpha)-OCC or α (Alpha) Conductor (For cables and wire)
μ -OFC:	α (Alpha) μ-OFC

Pure Copper:	α (Alpha) Pure copper
Phosphor Bronze:	α (Alpha) Phosphor Bronze
Eutectic Cast Brass:	α (Alpha) Eutectic Cast Brass
Silver:	α (Alpha) Silver

Make a more refined connection with Furutech!