

Major features

Bearing Mechanism

Horizontal: TechDAS Air Bearing Float System

Vertical: Tungsten Pivot + Ceramic Ball Bearing

Armtube

Hybrid 2 layer structure

Outer: Magnesium alloy with DLC coating

Inner: CFRP (Carbon Fiber Reinforced Plastics)

Tonearm Lifter

TechDAS Vacuum Force Lift System

Tracking Force Adjustment

Spring pressure dynamic balanced

Arm Mount

TechDAS Helicoid Height Adjustable Mount

External Air Supply Unit

1 pump system for intake/exhaust

Available Length

10 inch and 12 inch

Specification (10inch)

Pivot to Spindle: 230mm

Effective Length: 248mm

Overhang: 18mm

Offset Angle: 23 degrees

Inner Offset: 96.9mm

Inner Null Point: 68.9mm

Outer Null Point: 124.9mm

Maximum Error: 1.4 degrees

Maximum Distortion: 0.95 %

Average RMS distortion: 0.39%

Weight: 2.3 kg

DIN 5pin Output connector (phono cables not included)

Final Pre-production Unit: To be unveiled at TIAS, November, 2023

Production: To start in December, 2023

Expected Japanese Retail Price (10inch): JPY 5,000,000 (VAT not included)

TechDAS Air Force 10 Tonearm



The photo belongs to an early prototype model and differs from the actual product

TechDAS Air Force 10 tonearm incorporates a culmination of our innovative vacuum hold-down and air bearing technologies, which were originally developed for TechDAS Air Force turntables. Additionally, it draws upon our extensive expertise in precision machining, particularly with titanium and tungsten materials.

After dedicating nearly three years to the development and design of this new tonearm, we are thrilled to present a product that features an exceptionally smooth and precise motion, thanks to the advanced air bearing technologies. This breakthrough enables the faithful reproduction of even the most subtle details embedded within the grooves of your vinyl records, immersing you in an unparalleled "you-are-there" feeling and experience. Furthermore, the tonearm's revolutionary arm tube and main body benefit from the exceptional damping characteristics of the exotic materials and finishes used in their construction. This damping capability ensures ultimate silence and faithfully conveys every piece of information captured by the cartridge, delivering an audio experience of unmatched quality.

