



# The Michell TecnoDec

The TecnoDec is the latest addition to our range of precision turntables. Our aim: To offer a more affordable product while preserving as much of the performance and engineering excellence found in the celebrated GyroDec and Orbe models.

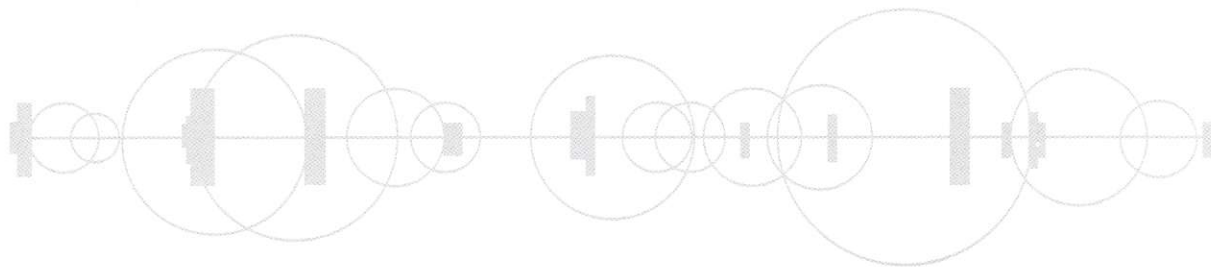
The simple and stylish design dispenses with the extensive acrylic casework of the Orbe and GyroDec, affording a substantial cost saving to the music lover without compromising on sound quality. The Michell Unicover is available as an optional extra to help protect from dust.

**Bearing:** The TecnoDec uses the same bearing design as the current GyroDec. We employ a unique inverted bearing that locates the point of rotation above the centre of gravity of the platter. This makes the platter/bearing a self-stabilising component that can not be provoked into rocking modes.

Our bearing utilizes an inverted case-hardened steel shaft secured upright in an oil well, which is threaded into the sub chassis from below. A massive bronze housing, precise-machined as a pair with the shaft, is attached to the platter via an integral stainless steel platter spindle. A thrust ball sits on the flat top of the shaft, centralised by an inverted cone machined into the top of the bronze housing.

The bearing housing has a spiral machined into its inner bore to draw high quality synthetic oil from the oil well to the top of the bearing shaft as the housing rotates with the platter. An off centre hole is drilled from the top of the steel shaft down into the oil well allowing the trapped oil to return to the bottom. This unique oil pumping mechanism results in ultra low friction and wear, and virtually immeasurable (and certainly inaudible) rumble and noise figures.





**Platter:** The TecnoDec uses the GyroDec platter but without the brass counterweights. We produce the platter from a proprietary self-damping compound of carbon/vinyl/graphite-loaded acrylic. This material closely approaches the mechanical and acoustical properties of the vinyl record itself, enhancing the coupling between both. This results in a neutral and precise sound.

**Motor & Drive Belt:** The TecnoDec uses the same DC motor as the latest GyroDec. This motor is very precise, reliable and quiet and was selected after many comparative listening sessions and reliability tests. Drive is relayed to the platter via a precision-ground round section neoprene belt, which runs around the platter's circumference. This, together with the small diameter motor pulley, results in a very high reduction of any residual noise transfer from the virtually silent motor. The motor is housed in a heavy stand-alone housing, machined from a solid billet of aluminium having a total weight of 1kg. To further isolate noise and vibration the motor is cradled and isolated in a

butyl rubber cup while the massive housing rests on a large, isolating, neoprene o-ring.

**Power Supply:** The TecnoDec comes with a standard high quality DC regulated power supply. This can be upgraded at a later date to the HR (High Resolution) power supply, which contains the innovative patented Never Connected circuitry and provides even better sound reproduction.

**Assembly:** Designed to last a lifetime, the TecnoDec can easily be assembled in a few minutes, once you have mounted the arm and cartridge. There are three adjustable isolating feet that support the chassis. There are no springs to balance and all that is required is a spirit level.

**Guarantee:** The TecnoDec comes with a 3 year guarantee against any manufacturing defects. This guarantee does not affect your statutory rights within the UK.

### Technical Specifications:

Bearing	High precision inverted type with oil re-circulating system
Platter	1.4 kg carbon/vinyl/graphite-damped acrylic
Motor	Precision European DC type
Belt	Round section precision ground neoprene
Armboard	Precision machined anodised aluminium
Weight (unpacked)	4.6 kg (10.1lbs)
External dimensions	W 49 x D 31 x H 8.5 cms (19.3" x 12.2" x 3.3")
Shipping dimensions	W 68 x D 41 x H 18 cms (26.8" x 16.2 x 7")
Shipping weight	7 kilos (15.4lbs)

### Optional Extras:

Uni-Cover  
Record Clamp  
HR Power Supply



MICHELL ENGINEERING

J A Michell Engineering Ltd  
2 Theobald Street, Borehamwood, Hertfordshire, England, WD6 4SE  
Telephone: 020-8953 0771 Fax: 020-8207 4688  
michell-engineering.co.uk  
info@michell-engineering.co.uk