

# SME MODEL 20/2



This finely engineered precision turntable offers a new listening experience from your treasured vinyl and 78's. Massive construction, extensional damping of major surfaces and lack of vibration from moving parts ensure tightly controlled detailed sound and stable stereo imaging. The Model 20/2A illustrated is equipped with the acclaimed Series V *'the best pick-up in the world'*.



# SME MODEL 20/2 PRECISION TURNTABLE

- ◆ Four point suspension for stability.
- ◆ Sub-chassis suspended on sixty-four strands of rubber in the form of thirty-two purpose moulded 'O'-rings.
- ◆ Trimming screws for suspension adjustment.
- ◆ Central fluid damper controls sub-chassis motion and offers resistive ground-path for acoustic signals.
- ◆ Two screws lock down the sub-chassis and seal the damper for transport.
- ◆ 19mm diameter main spindle machined from high/chrome steel hardened, ground and super finished. Runs in a sealed oil bath for lifetime lubrication.
- ◆ Screw down record clamping system minimises record resonance.
- ◆ 10lb (4,6Kg) machined platter with unique Isodamp face.
- ◆ Generous use of extensional damping and resistive loop construction ensure sonic neutrality.
- ◆ Adjustable ball feet with optional compliant inserts.
- ◆ Four jacking screws built into the sub-platter allow the thrust bearing to be off loaded for transit.
- ◆ Electronically commutated 3-phase, high-torque DC motor is free from cogging effect and external hum fields.
- ◆ Large diameter strobe disc supplied allows precise adjustment of standard speeds.
- ◆ Speed range:  
33 1/3 - 27/40 rpm.  
45 - 40/50  
78 - 60/100
- ◆ Fully shielded in-line control unit. LEDs indicate the main functions. Mains voltage selector for AC 115 & 230V +/-10% - 50/60HZ. Power consumption - 9 watts.

A good analogue record replay system must address the problems of extraneous vibration. These will come from numerous sources including air and structural vibration from loudspeakers, groove modulation, stray electrical fields and mechanical imperfections in moving parts. In the Model 20, superb instrument quality machining is allied with fundamental physics. The higher the mass and stiffness of a body the less it will flex and vibrate; the duration of a vibration can be shortened by suitable damping.

The Model 20/2 weighs approximately 40 lb. (18,2 kg), significant in relation to its size because for mass and stiffness it is density that matters, the same weight of metal spread over a large enough area would be aluminium foil! The sub-chassis measures only 16 3/4" (420mm) by 12 3/4" (320mm) but weighs 15 lb. (6,8kg). Its depth, 3/8" (9,5mm) resists flexing at low frequencies whilst high frequency resonance is attenuated by efficient extensional damping.

The Model 20/2 has no 'sonic footprint'. The sub-chassis is suspended on 32 purpose moulded 'O' rings which ensure freedom from feedback. A large centrally placed damper disciplines sub-chassis movement giving also a pleasing sense of security when handling records on and off the platter.

In addition to a cartridge's electrical output, mirror image acoustic signals reacted in the arm and record, will pass into the sub-chassis in the course of dissipation. However the usual closed loop design does not address the problem of their differing phase so in the Model 20/2 the structural interfaces concerned have received special attention to provide paths of the required impedance. This control of vibration is fundamental to the design of the platter and

goes much of the way to explaining the stunning tonal and dynamic neutrality that it exhibits.

The Model 20/2 is available in two formats:

## MODEL 20/2

equipped for but not including SME precision pick-up arm.

## MODEL 20/2A

as above but complete with matching SME Series V precision pick-up arm.

Dimensions: 420 x 320 x 155mm.

Packing: Substantial case.

Net weight with power supply: 18,2kg (40lb)

Shipping weight approximately: 25,0kg (55lb)

The Model 20/2 precision turntable is available in the U.K. from leading audio stockists only. Availability outside the U.K. is made through appointed distributors in the countries concerned. Please contact our sales department for further information.