



At Garrott Brothers we care a great deal about music. We constantly work towards achieving perfection in vinyl sound reproduction, utilising only the finest materials and up to the minute technologies in our products.

Our Moving Coil cartridges are individually hand built and tuned to exacting standards. Each cartridge must pass critical listening tests when completed, to ensure absolute musical satisfaction.



## SPECIFICATIONS

DIAMOND STYLUS		
	<b>Optim S2</b>	<b>Optim FGS</b>
	Garrott Shibata	Garrott FGS
FREQUENCY RESPONSE	20Hz-20kHz +/-2dB	20Hz-20kHz +/-2dB
CHANNEL SEPARATION	25dB (typical) @ 1kHz	26dB (typical) @ 1kHz
COMPLIANCE Vert./Lat.	Approx. 18/18um/mN	Approx. 18/18um/mN
OUTPUT VOLTAGE	3.8mV @ 5cm/sec	3.8mV @ 5cm/sec
TRACKING FORCE	1.5 to 1.8 Grams	1.7 to 2.0 Grams
INPUT IMPEDANCE	47k	47k
CARTRIDGE WEIGHT	5.8 Grams	5.8 Grams

## Audio Dynamics Pty.Ltd.

167 Camberwell Rd East Hawthorn Victoria Australia 3123

Ph (+613) 9882 0372 Fax (+613) 9813 3108

E-mail [info@audiodynamics.com.au](mailto:info@audiodynamics.com.au)

Web [www.audiodynamics.com.au](http://www.audiodynamics.com.au)

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Just for the record...

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## Repairs and Retipping

Phono cartridges are mechanical instruments and are subject to wear and ageing.

Many cartridges coming in to our laboratory for repair and upgrade services are in a very poor state of health. It is false economy to spend valuable listening time using a poorly performing cartridge that may be chewing up your irreplaceable record collection. Diamond wear, suspension fatigue, hardening or softening of vital compliance control components, can all significantly affect the performance of your cartridge.

It is not always easy to identify problems that you have learned to live with, but the causes are obvious to our expert eyes and ears, and can usually be quickly remedied.

We will replace a worn diamond or perform a full upgrade with an appropriate selection from our range of advanced stylus profiles; the choice is yours.

There comes a time when total replacement is the obvious answer and we invite music lovers to review the Garrott range of new cartridges as a replacement and upgrade for your present system.



## The Garrott Optim S2

The Optim 'S2' cartridge is the latest member of the GARROTT family of "Dynamic Coil" cartridges. Its release brings the development of this exclusive range of audiophile products to new heights of impact and musical realism. Based on time proven GARROTT design principles it offers extended dynamic range, deep and full bodied bass, and a more solid and musically convincing midrange, blending with a beautifully smooth and enchanting treble performance, free from the brittleness and glare that so often passes for 'detail' in musical reproduction today!

Many cartridges suffer from overdamping of the complex signals they are expected to reproduce. Manufacturers often include this in an attempt to control excessive high frequency brightness and distortion artefacts inherent in the mechanics of the stylus/record interface.

However overdamping quite seriously degrades musical dynamics resulting in dull and unconvincing reproduction. This is especially noticeable in the upper bass to lower midrange region, which encompasses the body and 'feeling' of the music.

GARROTT Optim cartridges have been designed using a system of graduated cantilever control that retains optimum stylus to groove contact while allowing dynamic events and fine musical detail to be reproduced unimpaired.

GARROTT research has proven that this technology offers first class focus and imaging of the soundstage without resorting to the added and unrealistic levels of high frequency emphasis that so typically create listener fatigue.

Optim S  
& FGS



## The Garrott Optim FGS

The Optim 'FGS' takes this design concept to the ultimate with the inclusion of a special stylus profile which together with careful balance of moving parts produces superior tracking of even significantly worn record grooves. The listener can enjoy full-bodied and powerful, yet highly detailed reproduction of a calibre not before achieved with affordable cartridges.

We are pleased to be able to offer highest quality analogue sound reproduction from easy to live with cartridges that will reveal hitherto unrealised dimension from your carefully preserved record collection, and do so with a level of performance usually approached only by the most expensive of moving coil designs.

We are confident that you will be delighted with your purchase.