

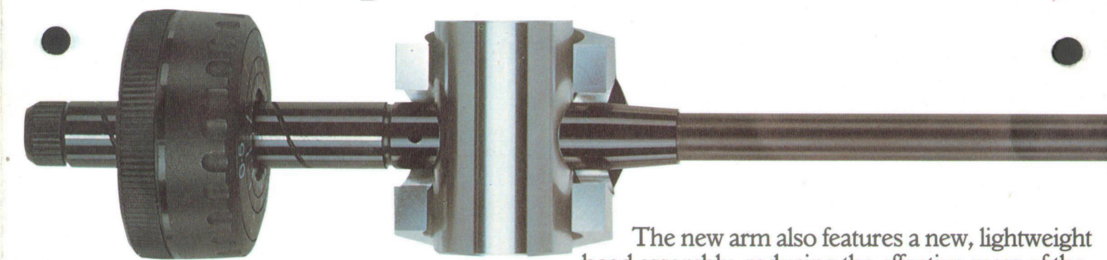


 **garrard**  
Turntables

Garrard, British hi-fi's world-famous name.

Over the years, Garrard has built and maintained an enviable reputation for creating superb quality turntables. Not just because they've always been beautiful to look at, or because they've always been ultra-reliable, but because so often they have led the world market in new technology, introducing innovations which are now incorporated in the decks of record player manufacturers everywhere.

The new models featured in this brochure are the latest in a long line of thoroughbred instruments, the result of more than 70 years of turntable experience.



## THE PICK-UP ARM

The extremely successful Garrard 'S' shaped arm now makes way for a totally new Garrard straight arm. In this design, increased rigidity ensures that any resonances which do occur in the arm are much less likely to affect the cartridge. (For the technically-minded, fundamental arm resonant frequency has been maximised, bringing us yet another step closer to sound perfection).

The new arm also features a new, lightweight head assembly, reducing the effective mass of the arm to just 9½ grams.

And, as a reliability extra, all our head connectors are now fitted with sliding gold plated contacts.

The arm's mechanism has been completely redesigned to suit the straight arm's requirements, and the efficiency and reliability of the auto mechanism have been proved beyond doubt by vigorous life tests which accurately simulate many years of normal use.

## THE TURNTABLE

The heavy die-cast platter now rotates on a one-piece spindle bearing.

It's interesting to note that although this has actually increased turntable accuracy (concentricity better than 5µm), it's made the manufacturing operation significantly simpler, a genuine cost-saving factor.

You'll notice also, that its appearance has been enhanced by the introduction of mirror finished metal.



## QUALITY



Although quality control has always been a Garrard strongpoint, we've never missed an opportunity to improve still further.

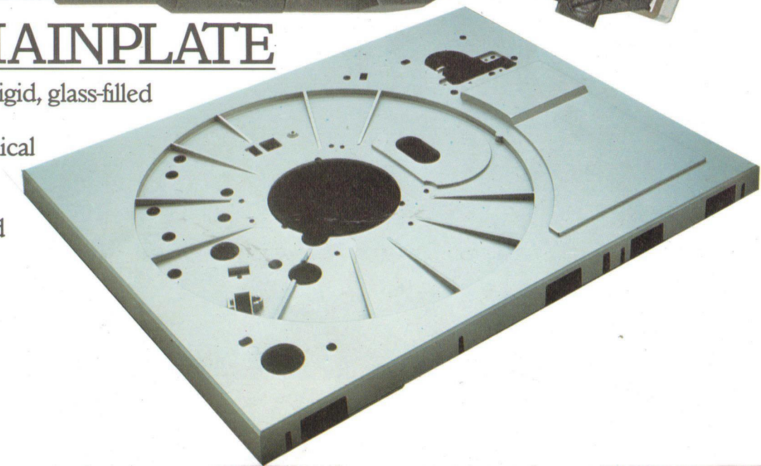
In our latest assembly procedure, one in five of the main assembly stages are directly associated with setting and testing.

On a batch sample basis, decks are subjected to examination, and are checked under user conditions with the highest quality audio instruments.

## THE BASE MAINPLATE

This is manufactured in a rigid, glass-filled polyester thermoset material.

In conjunction with the mechanical filters incorporated in the mounting feet, this provides impressively effective shock and feedback isolation.



DDQ550 Semi-automatic player with quartz lock, coreless D.C. direct drive with electronic button controls and L.E.D. indicators.

DDQ650 Semi-automatic player with quartz lock, coreless D.C. direct drive with electronic button controls, pitch control and stroboscope.



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DD455 Fully automatic player with coreless D.C. direct drive motor, pitch control and stroboscope.

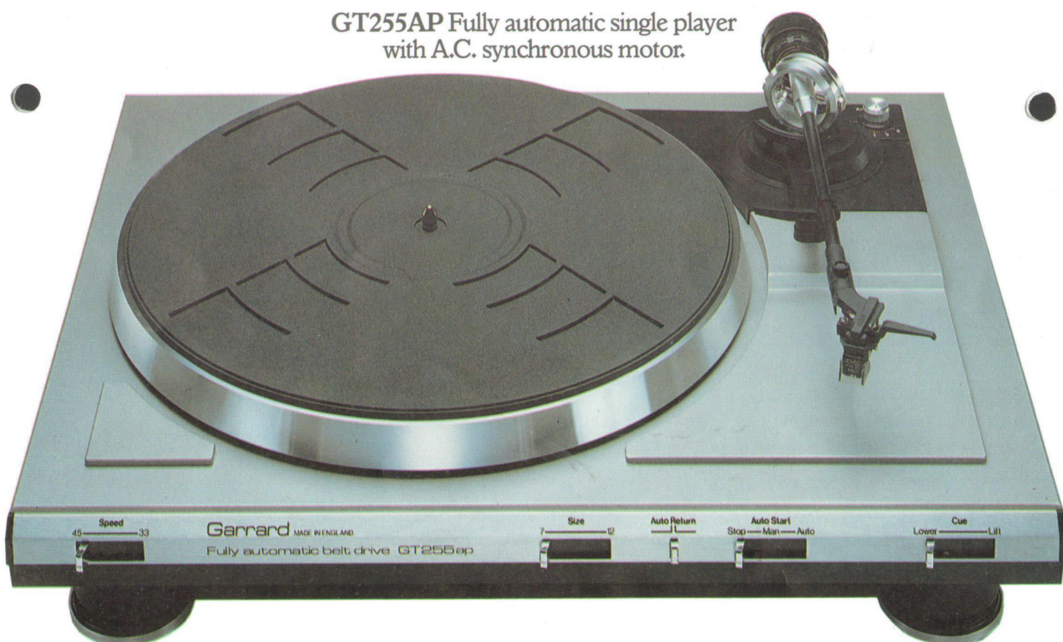


GT355AP Fully automatic player with D.C. servo motor, pitch control and stroboscope.

DD450 Semi-automatic player with coreless D.C. direct drive motor, pitch control and stroboscope.



GT255AP Fully automatic single player with A.C. synchronous motor.



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Technical Specifications	GT255AP	GT355AP	DD450	DDQ550	DDQ650
Operation Mode	Fully-automatic single play	Fully-automatic single play	Semi-automatic	Fully-automatic single play	Semi-automatic
Tone Arm Type	Straight	Straight	Straight	Straight	Straight
Effective Length	230 mm	230 mm	230 mm	230 mm	230 mm
Effective Mass (Less Cart.)	9 1/2 gm	9 1/2 gm	9 1/2 gm	9 1/2 gm	9 1/2 gm
Pivots	Jewels and Ball Race	Jewels and Ball Race	Jewels and Ball Race	Jewels and Ball Race	Precision Cone and Ball Race
Stylus Weight Adjustment	Isolated Calibrated counterbalance weight	Isolated Calibrated counterbalance weight	Isolated Calibrated counterbalance weight	Isolated Calibrated counterbalance weight	Isolated Calibrated counterbalance weight
Cue Control	Viscous Damped	Viscous Damped	Viscous Damped	Viscous Damped	Viscous Damped
Usable Cartridge Weight		4.5-8.5 gm	4.5-8.5 gm	4 to 9 gm	4 to 9 gm
Minimum Tracking Weight	0.75 gm	0.75 gm	0.75 gm	0.75 gm	0.75 gm
Bias Compensator for	0-3 gm Tracking Weight	0-3 gm Tracking Weight	0-3 gm Tracking Weight	0-3 gm Tracking Weight	0-3 gm Tracking Weight
Drive Motor	AC Synchronous 4 pole - 4 coil	Coreless DC servo	Coreless DC Direct Drive with velocity servo control	Coreless DC Direct Drive with velocity servo control	Coreless DC Direct Drive with Quartz lock control
Pitch Adjustment	33 and 45	±5%	±5%	±5%	±5% and Fixed Quartz
Speeds		33 and 45	33 and 45	33 and 45	33 and 45
Accuracy better than					±.005% in Quartz lock
Starting time	1/2 sec. (less than 1/2 rev.)	1/2 sec. (less than 1/2 rev.)	2.5 sec. (less than 1/2 of rev.)	2.5 sec. (less than 1/2 of rev.)	1.5 sec.
Stroboscope	Neoprene with accurate ground finish	Stroboscopic lamp synchronised to mains supply frequency	Stroboscopic lamp synchronised to mains supply frequency	Stroboscopic lamp synchronised to mains supply frequency	Stroboscopic Lamp synchronised to the Quartz crystal
Belt		Neoprene with accurate ground finish			
Platter Dia	317 mm	317 mm	317 mm	317 mm	317 mm
Type	Die-cast Aluminium	Die-cast Aluminium	Die-cast Aluminium with stroboscopic rings for 33 1/2 and 45 rpm	Die-cast Aluminium without strobe	Die-cast Aluminium with single stroboscopic ring for 33 1/2 and 45 rpm
Inertia	170 Kgcm <sup>2</sup>	170 Kgcm <sup>2</sup>	170 Kgcm <sup>2</sup>	170 Kgcm <sup>2</sup>	170 Kgcm <sup>2</sup>
Spindle	One piece with main bearing. Concentricity to 5µm	One piece with main bearing. Concentricity to 5µm			
Controls	Control levers for: Off-Manual-Auto, 33 1/2-45, 12-7 selection and Cue Mechanical button for auto return Knobs for bias and pitch control	Control levers for: Start, Stop, 33 1/2-45 and Cue Mechanical button for auto return Knobs for bias and pitch control.	Control levers for: Off-Manual-Auto, 33 1/2-45 (linked with 12-7 selection) and Cue Mechanical button for auto return Knobs for bias and pitch control	Electric buttons for: Start, Stop, 33 1/2, 45 and Power Mechanical control for cue, auto return Knobs for bias and pitch control	Electric buttons for: Start 33 1/2, Start 45, Stop, Quartz and PG Mechanical control for cue, auto return Knobs for bias and pitch control
Indicators					Red LED Lamps for Power, 33 1/2, 45 and Green for Quartz mode. The Stroboscopic lamp is illuminated when motor is quartz locked.
Performance					
Rumble DIN A	-45dB	-45dB	-50dB	-50dB	-50dB
Rumble DIN B	-65dB	-65dB	-70dB	-70dB	-72dB
Wow and Flutter (DIN slow weighted)	0.1%	0.1%	0.05%	0.05%	0.05%
Dimensions					
With cover (WxHxD) mm	450 x 150 x 375	450 x 150 x 375	450 x 150 x 375	450 x 150 x 375	450 x 150 x 375
With cover open	450 x 410 x 375	450 x 410 x 375	450 x 410 x 375	450 x 410 x 375	450 x 410 x 375

Garrard's policy is one of continuous improvement and development, we therefore reserve the right to change Specifications without prior notice.

# Preisliste für den Fachhandel



MODELL

EK NEU

Plattenspieler (B= Belt Drive - D=Direct Drive)

B	20	Auto Return		70S282
	30	Auto Return • Strobe • DC motor		70S363
	35	Full Auto • Strobe • DC motor		70S420
D	20	Auto Return • Strobe		70S368
	30	Auto Return • Strobe ohne System		DDQ404
	35	Full Auto • Strobe • FG ohne System		DDQ488

Lautsprecher (schwarz)

GL	235	35 W / 8 ohm	pro Paar	166338
	245	45 W / 8 ohm	pro Paar	214450
	350	50 W / 8 ohm	pro Paar	306491
	360	60 W / 8 ohm	pro Paar	306585

Die Preise verstehen sich zuzüglich MWST, frachtfreie Anlieferung.

Gültig vom 30.11.81 - 31.01.82

Weitere Auskünfte erhalten Sie von



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Mitglied im DHFI