

NAGRA CD

High-precision CD player range





A prestigious heritage The legendary Nagra recorders

Nagra is one of the most respected names in the world of audio. This Swiss company invented, in 1951, the first portable recorder for professional use. A machine whose features and exceptional sound quality revolutionised the art of sound recording all over the world. Generation after generation, Nagra recorders have stood for excellence in their field, constantly reinforcing the legendary status of the brand.

Throughout its history, Nagra has received a great number of distinctions, many of them highly prestigious, including three Oscars® and an Emmy® Award.

For ten years, Nagra has also been present in the sector of high-end equipment aimed at audiophiles.

This development has been welcomed by aficionados wanting access to products conceived outside conventional norms and without compromises.

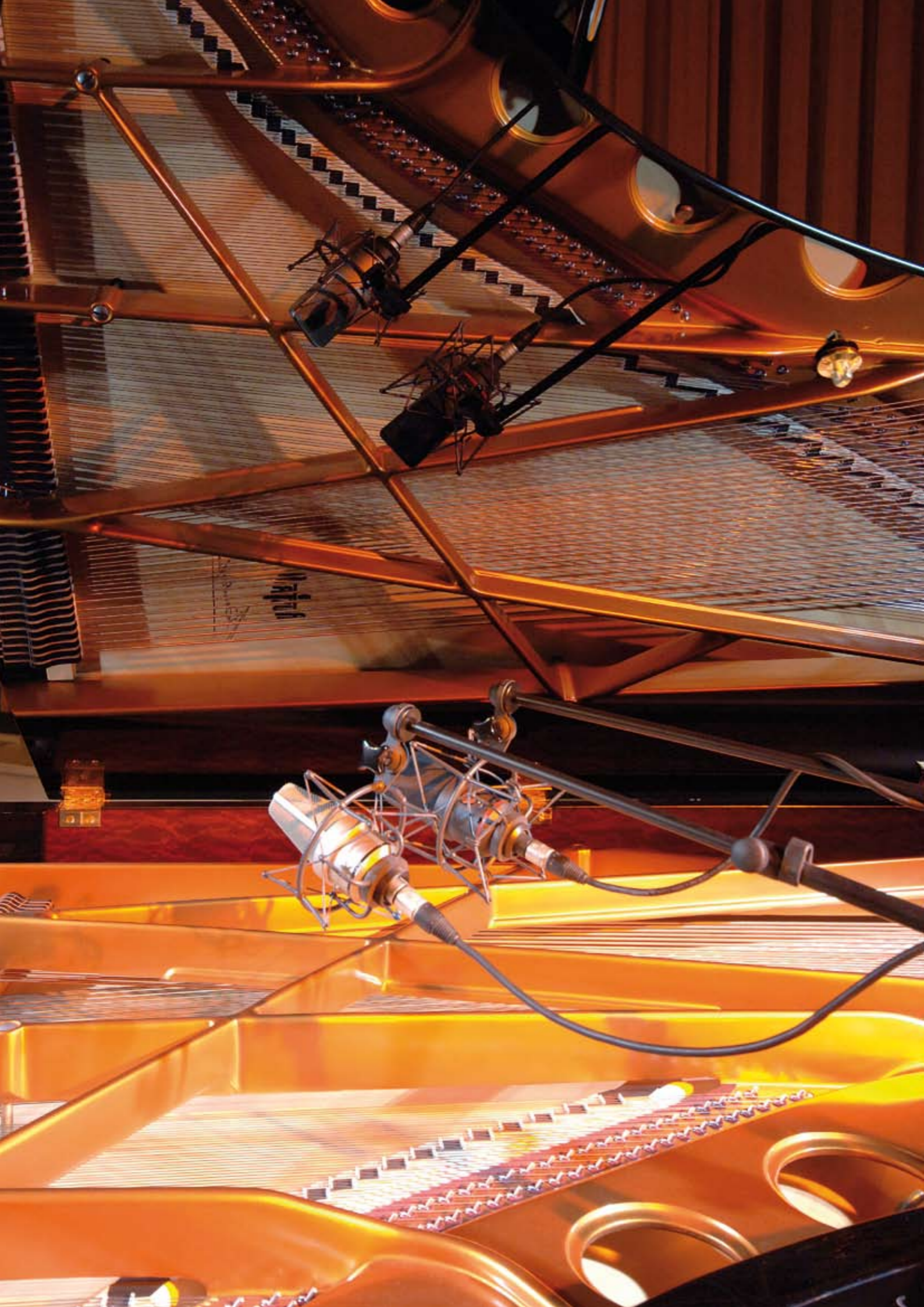
At Nagra the same engineers develop equipment for both the professional and the high-end range. The same extremely high standards are applied to the whole production.

The new range of Nagra CD players is a pure expression of the spirit of Nagra. It is born of several developments, mechanical and electrical, already tried and tested in the company's recorders.

It boasts many innovative features offering a previously unattained level of performance.



Nagra is one of the world's most decorated audio company. In particular, it has won three Oscars® and an Emmy® Award.



CD players in the Nagra range

Absolute respect for original sound recordings

Whether in a concert hall or a studio, Nagra is the ultimate yardstick for professional sound recordists seeking to make a recording as close to the original as possible.

With Nagra CD players, you are able to enjoy this sound, reproduced with perfect integrity, in your own system.

In their engineering and electronics, Nagra CD players set new standards of precision, accuracy and robustness. Engineers have applied a range of solutions aimed at preventing any deterioration in the signal, all the way from reading the data on the disc to final output from the machine.

Special in-depth work has been carried out to solve problems of synchronisation drift (jitter), which typically affects even the best-constructed machines. The results obtained here are spectacular, with negligible values.

An equally rigorous approach has been applied to the construction of circuits, the choice of components and production tolerances. Design consistency ensures exceptional quality.

Great, authentic Nagra sound: a quality which is immediately visible or rather, audible. Never before have CD players reached such levels of clarity, sharpness and natural sound.



Nagra CDC player with remote control, supplied with all models and compatible with other components of a Nagra system.

Nagra CDC, CDP and CDT

Exceptional machines combining efficiency, durability and precision



The range of Nagra CD players comes in three versions:

- The Nagra CDC, equipped with volume and balance controls operating on preamplified analogue outputs. This means the equipment can be connected directly

to a power amplifier.

Another special feature of this model is the double modulometer on the front panel, which allows the monitoring, on each channel, of the signal as it is recorded on the disc.



- The Nagra CDP, which has a fixed level analogue output. The digital-to-analogue converter circuit is identical to that of the CDC model.

- The Nagra CDT, designed for use with an external digital-to-analogue converter such as the Nagra DAC.

The front and rear panels are similar on the CDP and CDT models.

The brushed aluminium case has the same dimensions as the Nagra PL-P and PL-L preamplifiers.



«Nagra monoblock tray» unit Worthy of a Swiss timepiece

Nagra CD players are equipped with a front-loading motorised drawer system, which is more practical than the top-loading solutions. However, this entire system has been rethought. Called the “Nagra monoblock tray”, it features a CD module mounted directly onto the drawer itself, forming a moving unit.

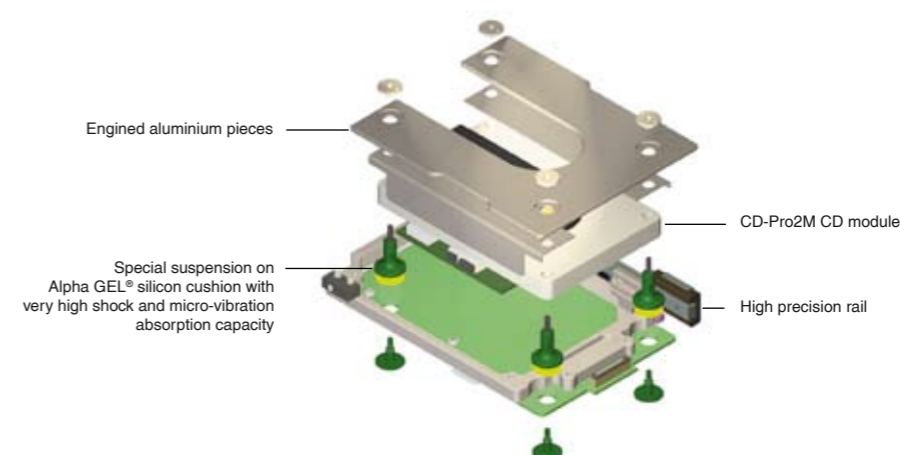
Built with the same care and attention as a Swiss timepiece, this monoblock unit is particularly sturdy and stable. It provides an ideal mechanised environment for the CD module, a top-of-the-range CD-Pro2M model, to display its full capacity.

The drawer moves on high-precision slides: this achieves a tolerance of only two microns with plenty of smoothness.

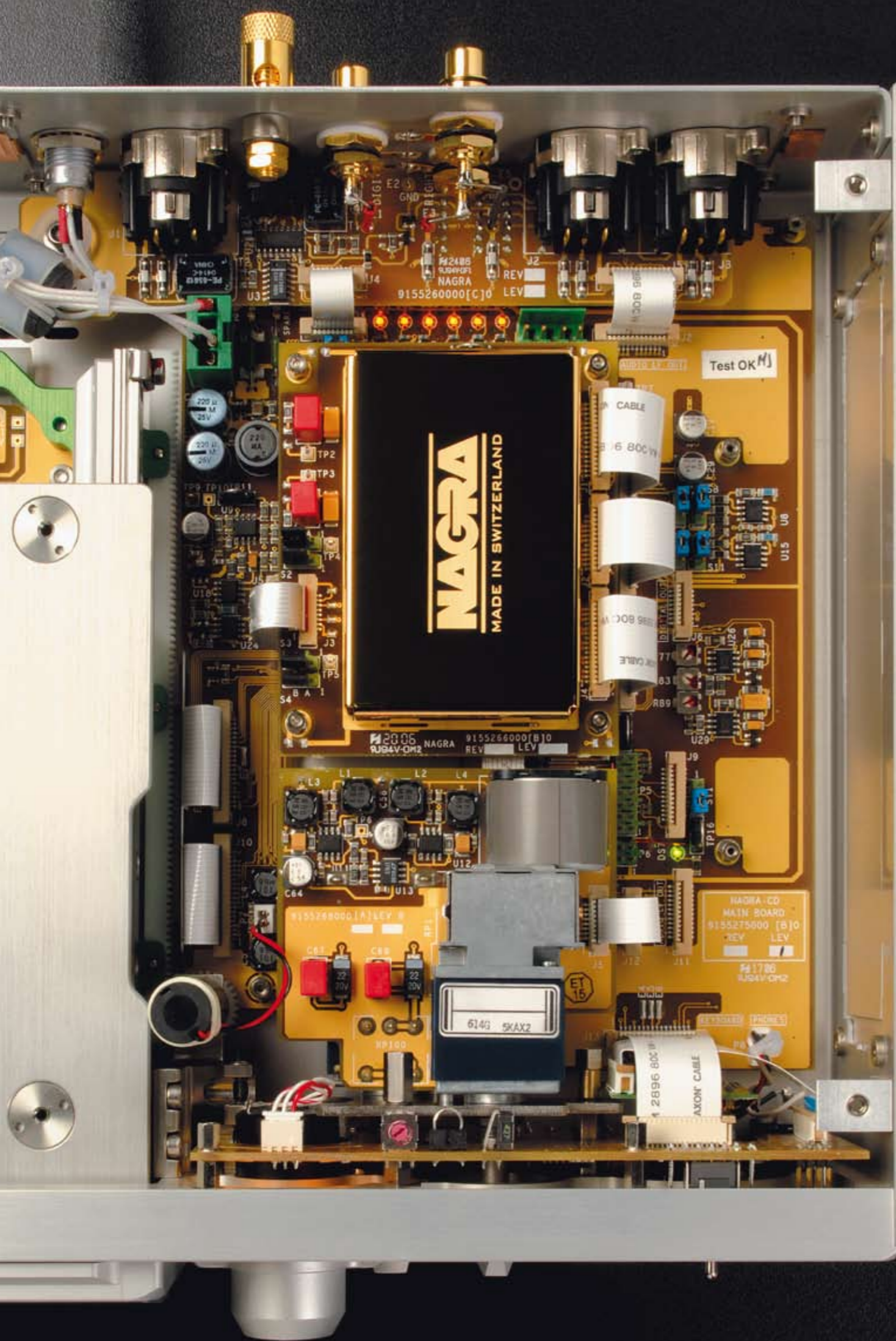
The drawer is activated by a state-of-the-art planetary reduction motor: a component developed by a NASA-approved supplier, whose products equipped the Mars Rover robot sent to the red planet.

The magnetic clamp that sits on the disc has also been manufactured by Nagra to improve centring and positioning of the CD on the transport. The prescribed weight of this component has been rigorously adhered to; an over-heavy roller would deteriorate the playback and wear the transport motor out prematurely.

The back of the drawer has a diode strip which illuminates the CD when the drawer is opened. This allows the player to be used in reduced light.



Sturdy, ultra-precise, the “Nagra monoblock tray” unit ensures perfect reading of the disc, the starting point for accurately reproducing the original recording.



Neutrality and clarity A typically Nagra signature

Nagra CD players are the ultimate reference in terms of electronic engineering and quality of execution.

The signal extracted at the CD module output is completely resynchronised via a PLL (Phase Locked Loop) and a VCXO high-precision oscillator (Voltage Controlled Crystal Oscillator). This reduces dramatically the jitter and the manufacturer code of the disc – data engraved on the CD – retains its integrity.

The digital signal is conveyed symmetrically, eliminating earthing problems. It is received and oversampled by a Burr-Brown digital-to-analogue converter with very low-level noise and distortion. The printed circuit holding the converter is protected against radiation by a gold-plated metal cover.

In order to avoid disruptions linked to the power supply, which is often very polluted, there are no high voltages or alternating currents inside the machine. The constant +12V voltage, from which the other 8 voltages needed by circuits are derived, comes from an external supply box. These voltages are produced by similarly low-noise converters. They are synchronised with the CD module clock.

These technologies, which guarantee perfect clarity and exceptional sound reproduction, are the direct results of solutions developed for Nagra recorders.

The same applies to the choice of components, originating from the best sources and selected on the basis of listening tests.



Nagra CD players use an external power supply, just like the PL-P and PL-L preamplifiers. Circuits are thus protected from disruptions caused by the power source.



Nagra CDP and CDT



Nagra CDC



Nagra CDP, CDT and CDC

Nagra CD player's ergonomics is based on the same philosophy as Nagra professional recorders. The connection panel is complete and can be placed on the rear panel or the right side of the unit. It includes symmetric and asymmetric analogue outputs, as well as AES, S/PDIF and Toslink (optical) digital outputs.

technical specifications

Compatibility:	CD Audio, CD-R, CD-RW
Digital-to-analogue converter:	24 bits
Oversampling:	8x (352.8 KHz)
Bandwidth:	20 Hz (0dB) to 20 KHz (-1dB)
Signal-to-noise ratio:	> 108 dB, measured ASA "A" weighted
THD + N:	< 0.003 %
Channel separation:	90 dB
Jitter:	negligible (< 200 ps)
Analogue outputs:	electronically balanced on XLR (600 Ω) unbalanced on RCA (50 Ω)
Output level:	1 or 3.5 V RMS selectable (at 0 dBFS)
Digital outputs:	AES, S/PDIF, Toslink
External supply:	12V
Consumption:	6W constant, 12W maximum
Dimensions:	310 x 254 x 76 mm (12.2 x 10 x 3 inches)
Weight:	4 kg (8.8 lbs)

Specifications are subject to change without notice.

Nagra PL-P
preamplifier



Nagra PL-L
preamplifier



Nagra DAC
converter



Nagra VPA
tube amplifiers



Nagra PMA (mono) and
PSA (stereo) amplifiers

