

SINGULUS
MASTERING
THE ART OF MASTERING.



DMS Evolution

Now with 4R DVD and
10x CD recording speeds

The Evolution never stops ...

DMS Evolution

COST-EFFECTIVE SOLUTION FOR ANY PRODUCTION ENVIRONMENT

The DMS Evolution is the latest generation of in-line mastering systems based on the DMS concept. In a time span of just more than nine years since its introduction, a number of close to 100 DMS systems have been installed worldwide. Today, the DMS Evolution is recognized as the most popular mastering system in the market with installations in 38 countries.

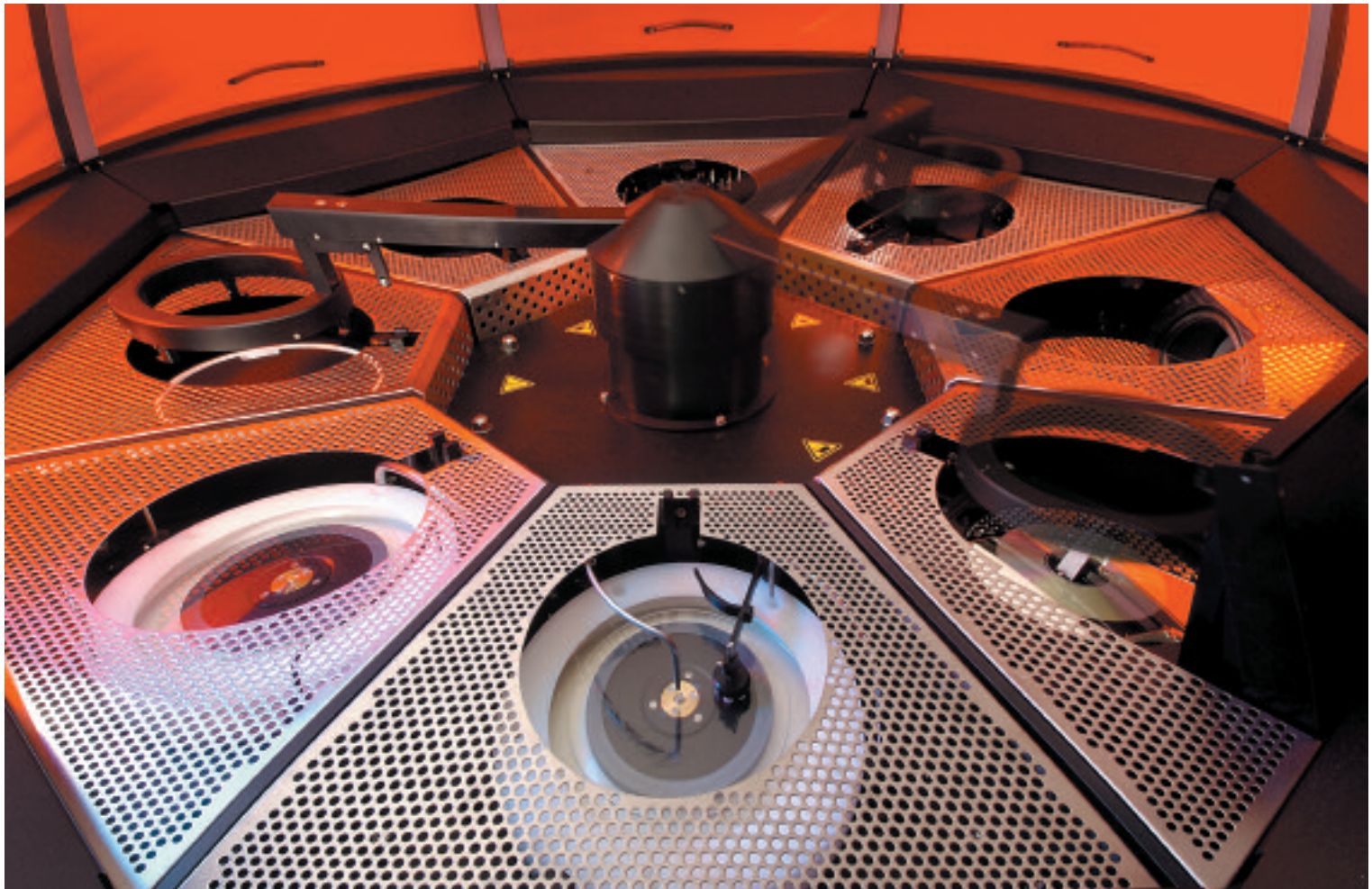
The DMS Evolution is the ideal solution for mastering facilities where high volume pre-recorded CD and DVD master production is required. The DMS Evolution is characterized by the simplicity of design and ease of use and maintenance. This provides a reliable platform for all production environments. At the time the DMS platform was presented, it showed a revolutionary concept in mastering technology, and meantime these ideas have enjoyed more and more supporters. The DMS concept was the first in the market offering the possibility to integrate a second Laser Beam Recorder (LBR) in the same frame. The unique double Laser Beam Recorder capability is central to the DMS concept and allows the system to be easily and quickly expanded for increased production capacity. Integration with Network Mastering further enhances the flexibility and productivity of the system.

Typical of its workhorse capabilities, the DMS Evolution recording speeds have been increased to 4R for DVD (from 2R) and to 10x for CD (from 6x). With this increase in speed, a DMS Evolution equipped with 2 LBRs can achieve an output of up to 140 DVD masters per day.

The first order sensor and feedback loop fine-tune the duration of the development process. This provides for an extremely high level of stability and reliability. A new Air Handling Unit (AHU) not only ensures that the air flow inside the DMS Evolution is maintained at class 100 clean room conditions, but also controls the temperature and relative humidity of the air. This will allow the DMS Evolution to operate in an office-type environment where there is considerable variation in temperature and humidity.

The highly modular design of the system provides the flexibility required for the implementation of future technologies and options.





MAIN FEATURES

- Flexible configurations from 'Economy' model to dual LBR 10x/4R system, easily allowing outputs of up to 140 DVD masters per day
- First Order sensor and feedback loop ensure an extremely high level of stability
- New Air Handling Unit (AHU) provides clean room class 100 condition and controls temperature and relative humidity of the air
- Supported by the Media Morphics encoding platform and the Mastering Super Highway (MSH)
- Smallest footprint of mastering system with 2 LBRs

DMS Evolution Specification

Mastering Formats: Standardized Pre-recorded CD and DVD formats. All CD at 10x real time and DVD at 4 Reference recording speed.

Media Input system:

- Supported Media: Gigabit networking environment, (S)DLT tape drive, DVD-(R) input drive, CD-(R) input drive

Optional:

- Copy protection: CSS encoding
Several copy protection schemes available

- Networking: Mastering Super Highway networking connection, Cytris downloading system, with two input drive of each (S)DLT tape / DVD-ROM and storage capacity

Laser Beam recorder:

- Type of Laser: Directly modulated solid state laser diode (405 nm)

- Expected Life Time: > 9000 hours

- Increase of output: Base system can be equipped with 2 LBR systems to increase output

General Details:

- Width: 1750 mm

- Length: 1750 mm

- Height: 2200 mm

- Footprint: 3 m²

- Weight: 600 kg

- Room Conditions: Temperature 18 - 24 °C
Humidity 40 - 70 % RH

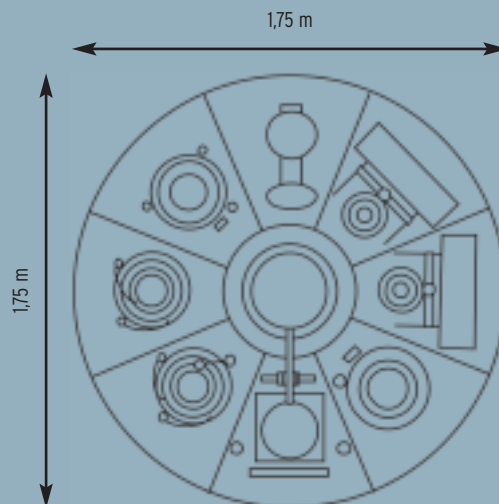
Utility requirements:

- Electrical Supply: 100 - 240 VAC 50 / 60 Hz

- Power Consumption: 2kW maximum

- DI Water: < 3 l / h

- Argon Gas: < 0,2 l / h



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