

art of cryo

M.C.S.



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MULTI CRYO-HACKING SYSTEM

Multisensory heat applications
for structured regeneration and performance concepts

Heat as a contemporary premium application concept

The M.C.S. is a contactless heat system for professional operator environments. It combines dry, controlled heat with program-controlled sensory stimuli, enabling a clearly structured application with defined duration and reproducible conditions.

Unlike traditional heat applications such as saunas or conventional infrared cabins, the M.C.S. does not operate with humidity or prolonged heat exposure. The focus is on short, controlled

stimulus cycles within a defined temperature range.

What is an M.C.S. heat application?

An application is carried out touchless within a defined program sequence. Temperature, duration and module activation are controlled via software. This creates an application that can be predictably integrated into professional operational workflows.

System parameters (core characteristics):

- Temperature range: 30–60 °C
- Type of heat: dry (not a sauna)
- Application duration: short and program-defined
- Usage: fully touchless
- Control: centralized, software-based



Calmness

Program-controlled heat and light guidance for decelerated phases.

Activation

Synchronized stimulus combinations with a dynamic focus.

Structure

Integration into clearly defined regeneration and training workflows.



STRUCTURED INTEGRATION INTO YOUR CONCEPT

In modern spa, performance and regeneration environments, temperature is not considered in isolation. What matters is integration into clearly defined workflows and economically predictable structures.

The M.C.S. was developed to use heat as a controllable system component within a broader temperature concept — with clear program logic and defined duration.

Typical application areas:

- Hotels & Resorts
- Spa & Wellness Facilities
- Performance & Fitness Centers
- Cryo-Studios
- Private Luxury Installations
- Corporate Health & Special Projects



THE M.C.S.
CAN BE
USED AS:

A STANDALONE
PREMIUM
APPLICATION

PREPARATION
WITHIN A
TEMPERATURE
CONCEPT

PART OF A
COMBINED
APPLICATION
CONCEPT

Multisensory technology as a controlled stimulus architecture

Heat alone is a non-specific stimulus. Only in combination with additional sensory impulses does a clearly perceptible and differentiable application setting emerge. The M.C.S. uses this principle in a targeted way. The focus is not on maximum temperature or prolonged exposure, but on a defined stimulus architecture in which multiple sensory levels interact in a controlled manner.

Traditional heat applications typically rely on:

- increasing temperature
- longer exposure times
- individual intensity adjustment

The M.C.S. follows a different approach:

- clearly defined temperature range (30–60 °C)
- limited, program-dependent duration
- precisely timed stimulus transitions
- central control of all components

What matters is not the intensity of the heat, but the controllability of the stimulus density. By combining multiple sensory levels, the thermal phase can be shorter while still offering a differentiated application experience.

NOT INDIVIDUAL COMPONENTS. A COORDINATED OVERALL SYSTEM.

All modules are centrally controlled and fully integrated into the software logic. Programs define parameters, intensities and sequence structure.

PERCEPTION ARISES THROUGH INTERACTION

The subjective spatial effect is shaped by light, acoustics, air and temporal dramaturgy. When these parameters are synchronized, structure emerges.

Programs define:

- changes in light intensity
- the use of acoustic sequences
- the duration of thermal phases
- the integration of optional modules

This creates a clearly guided process with a defined beginning and end.



Thermal level

Deep Tissue Warmth (DTW)



DTW generates even, dry heat in a range of 30–60 °C. Temperature control is stable, time-defined and regulated according to the selected program.

Unlike conventional infrared or sauna systems, there is no unrestricted heat development. Instead, the thermal phase remains controlled and limited within a defined application sequence.

For operators, this means consistent conditions with every application.

Atmospheric level

Quality Charged Air (QCA)



QCA integrates three ion generators to create a defined ion concentration within the cabin. Ion density: up to 15.6 million negatively charged ions/cm³

Active air guidance ensures even distribution and stable breathing conditions throughout the entire application.

Air quality remains constant — even under high-frequency use.

Acoustic level

Sound Stimulation Module (SSM)



SSM works with program-based sound sequences and coordinated frequency patterns.

This is not background music in the traditional sense, but a temporal structuring of the application. Sequences change in sync with the thermal phase and support the specific character of each program.

Different frequency patterns enable clearly perceptible differentiation between calming and activating programs.

Visual level

Light Cocktails (LC)



Light is not a decorative element, but a program-controlled stimulus that specifically modulates the spatial effect. The multi-channel LED system combines different light lines in sync with the thermal and acoustic phase.

Available program lines:

- Performance Red:
Intense, dynamic spatial effect
- Collagen Red:
Warm, focusing light atmosphere
- Vital Green:
Clear, activating spatial effect
- Calming Green:
More balanced, calming light guidance
- Vital Blue:
Fresh, structuring light atmosphere
- Calming Blue:
Reduced, soothing spatial effect

Air guidance

Air Exchange System (AES)



AES ensures a controlled supply of fresh air and climate regulation within the cabin.

Temperature, air movement and air exchange remain stably defined. This is particularly important in continuous commercial operation.

Optional



Booster & Activation Module (BAM)

Passive activation training via a vibration platform, enabling fitness exercises to be performed in parallel with the application.

Fragrance Injection System (FIS)

Targeted fragrance impulses as a program-based extension of the sensory environment.

M.C.S. – Multisensory heat system for individual applications

Single-room system | 30–60 °C | Individual application



Unlike conventional heat cabins, the M.C.S. operates with a centrally controlled architecture. Temperature, light, air and acoustic elements are synchronized according to the selected program and follow a clearly defined sequence structure.

The M.C.S. can be used as a standalone heat application or integrated as part of a higher-level temperature concept.

Defined temperature range:

- Dry heat: 30–60 °C

Equipment:

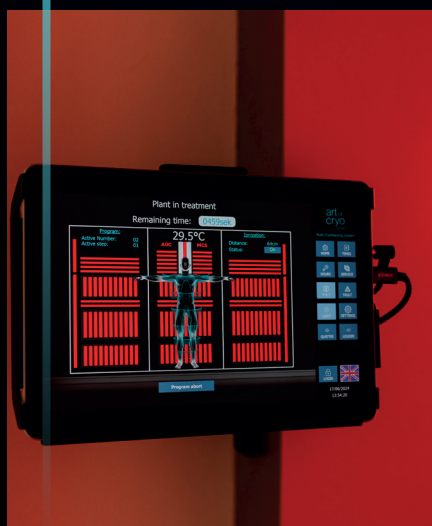
- 6 LED light lines
- Neurobeats sound system
- Air Exchange System

Control:

- Microsoft Surface touch tablet
- 12 predefined programs
- In-house programmed control architecture
- Continuous temperature and system monitoring
- Remote-Service via VPN

Intelligent program control

12 predefined applications with automated monitoring of temperature and system parameters.



Multisensory integration

Synchronized control of heat, light, air and sound within clearly defined program sequences.



Reproducible application

Defined system parameters for consistent conditions in continuous operation.



Holistic project integration

With clear manufacturer responsibility

Individual system planning and project development in close coordination with operators — from the concept phase through to integration into ongoing operations.

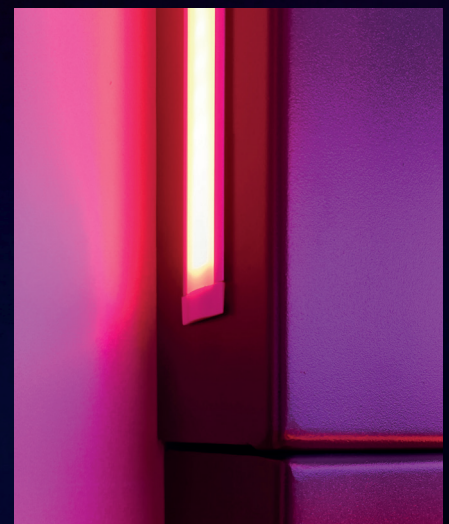
We do not only analyse technical requirements, but consider your project as a whole: room structure, user guidance, capacity utilisation and long-term scalability.

As a manufacturer with our own development and production fa-

cilities in Germany, we assume responsibility throughout all project phases — from technical design to final on-site implementation.

Transparency, clear structures and reproducible system conditions are the key priorities throughout.

LET'S TALK
ABOUT YOUR
PROJECT.



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cryo



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