



THE UHV BAKEOUT CONCEPT

- Heating jackets
- Bakeout tents
- Heater tapes
- Heater fan
- Temperature control

ABOUT HEMI HEATING AB

Since 1991 Hemi Heating has produced and developed surface heating systems, focusing on quality and high service level. We offer a wide range of heating products for science and various manufacturing industries.

The company is built with all the necessary knowledge and experience required to achieve the most efficient heating from simple solutions to the most complex needs from our customers. Today we are a leading actor in the market within the area of flexible surface heating systems.

Our headquarter is located in the south side of Stockholm.



THE UHV BAKEOUT CONCEPT

Heating jackets



ADVANTAGES

- Unlimited design
- Low surface temperature
- Simple installation
- Long life length
- Homogenous temperature
- Nice outlook on customers system
- Available in Clean room version

APPLICATIONS

- Chamber systems
- Transfer arms
- Valves
- Crosses & TEE
- Pumps
- Tubings and Bellows
- Manipulators

THE UHV BAKEOUT CONCEPT

Bakeout tents



Aluminum supporting frame



Bakeout Heater Fan
HF-230 VAC



APPLICATIONS

- General bakeout from small to big UHV systems

ADVANTAGES

- Simple to design
- Easy to install & store
- Long life length
- Homogenous temperature up to 250°C
- Price competitive solution
- Clean room compatible – dust free

THE UHV BAKEOUT CONCEPT

Heater Fan HF-230 VAC

with focus on safe and reliable heating

New!



APPLICATIONS

- Heating tents and boxes

ADVANTAGES

- Built in resettable over temperature switch
- Very low surface temperature on the fan cover
- Built in thermocouple as standard that enables external temperature control

Operating Voltage:
220-240 VAC, 50-60 Hz

Variable thermostat:
50-240°C

Max power:
2500W

Over temperature security:
300°C

Air flow:
Approx. 200 cbm/h

Sensor type for external control:
Thermocouple type K

THE UHV BAKEOUT CONCEPT

Heater tapes



APPLICATIONS

- General bakeout from small to big UHV systems

ADVANTAGES

- Standard lengths in stock
- Long life length
- Operating temperature up to 400°C
- Price competitive solution

THE UHV BAKEOUT CONCEPT

Temperature control

PID/Rampable by time stand alone units



Built in bimetal thermostats in the jacket



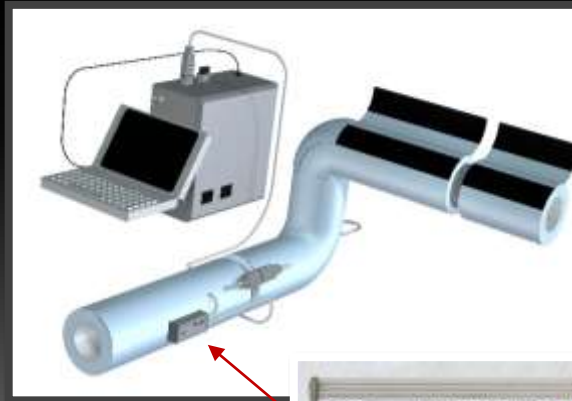
PID 1-10 Channel cabinets



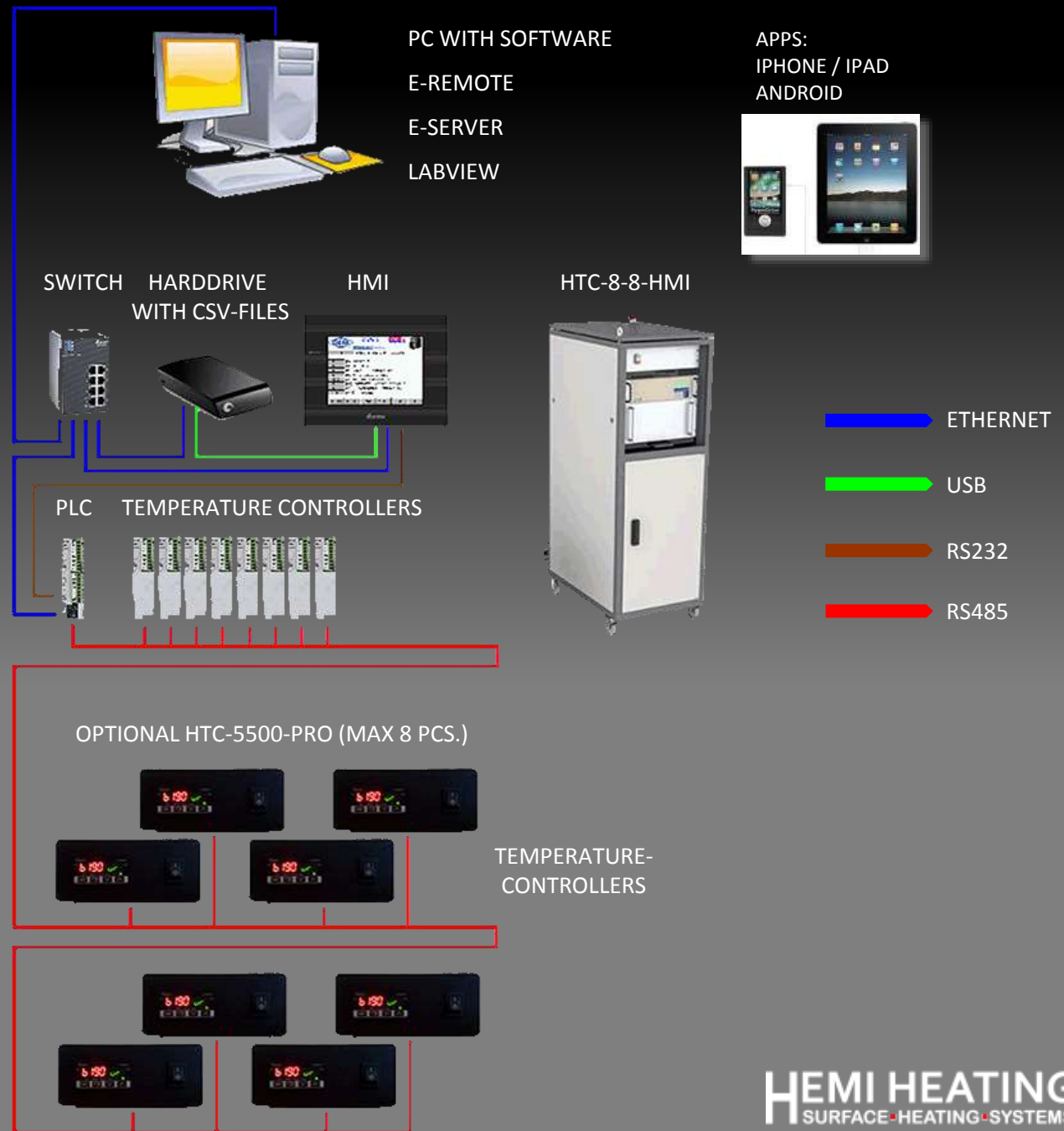
Custom made acc. to specification



PC-Operated control (Watch-system)



HEMI HEATING HEAT PROCESS MANAGEMENT SYSTEM



THE UHV BAKEOUT CONCEPT

Heat resistance accessories

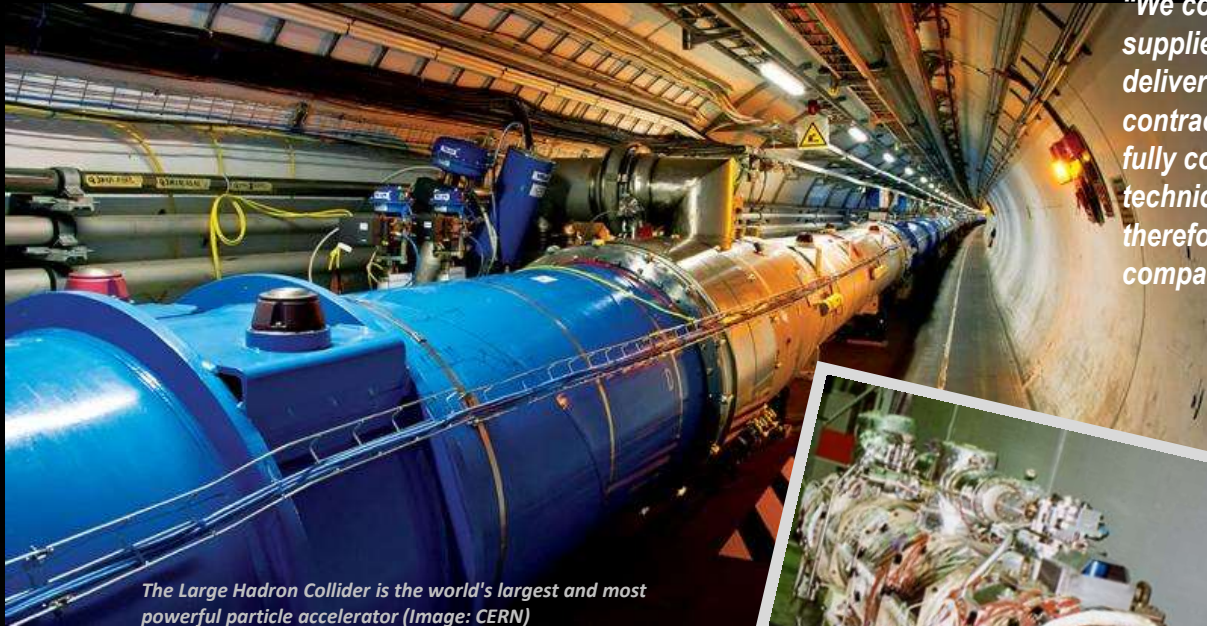


Consumables

- ✓ Aluminium foil extra robust 50m x 0,5m
- ✓ Aluminium tape high quality 50m x 50mm
- ✓ String Aramid 250°C 10m
- ✓ String Glass Fiber 500°C 10m



ONE OF OUR REFERENCES... CERN



The Large Hadron Collider is the world's largest and most powerful particle accelerator (Image: CERN)

"We confirm that the supplies have been delivered within the contractual schedule and fully compliant to CERN' technical specification. We therefore recommend the company Hemi Heating"

Purchase Dept.
CERN European
Organization for
Nuclear Research

Hemi Heating has for more than 20 years been one of the main suppliers for different project at the CERN Laboratory in Geneva.

CERN, a source of inspiration and challenge, has taught us to develop and design heater jackets for demanding applications in the UVH area.





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