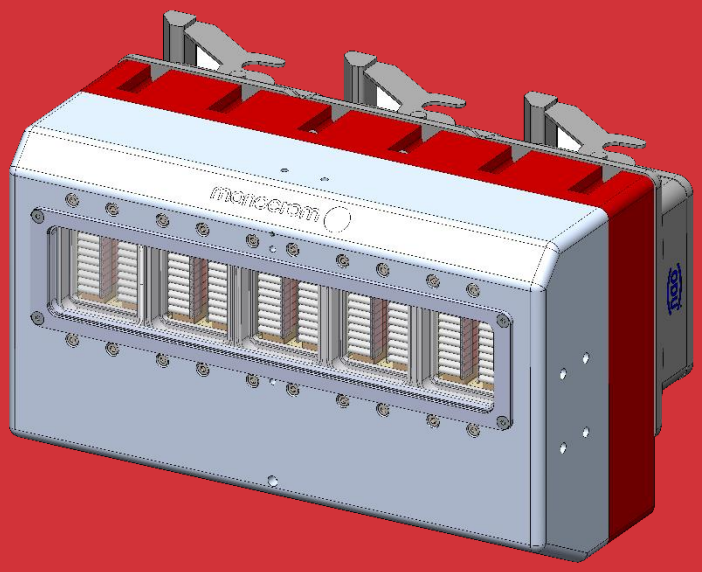
HeatMe®

Edge-Emitting Solution for Industrial Heating



- Controlable and adaptable
- Cost-effective
- Low maintenance
- Profinet or EtherCAT® protocol
- Modular
- Working distance optimization

Direct diode solution allowing you controlling your Industrial heating application more accurately.

Controlling each and every part of the HeatMe module independently enabling much more flexibility with the targeted material.

This cost-effective solution is the next evolution in Heat treatment applications providing a scalable, flexible state of the art Heat source, which can be optimize to the necessity of your application.

NO SMILE EFFECT

MACRO CHANNELS

EXTENDED LIFE-TIME

HIGH BRIGHTNESS

COOLING EFFICIENCY

MECHANICAL STRESS FREE

monocrom

High-level specifications

Typical applications:

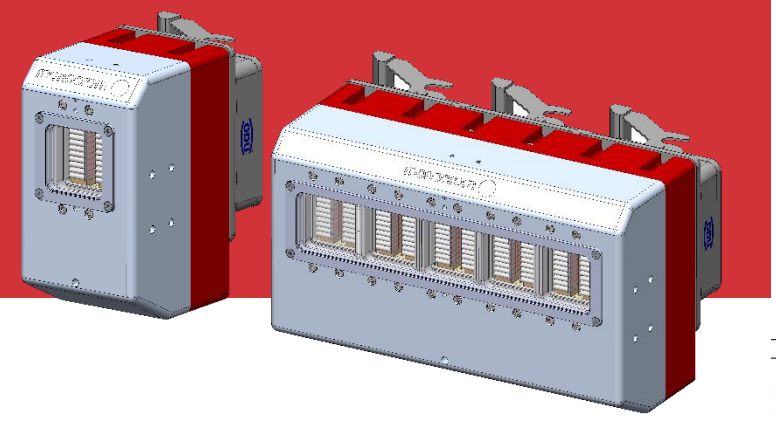
- Laser cleaning
- Laser drying
- Laser pre-heating
- Softening
- Hardening
- Roll-forming
- Spin-forming

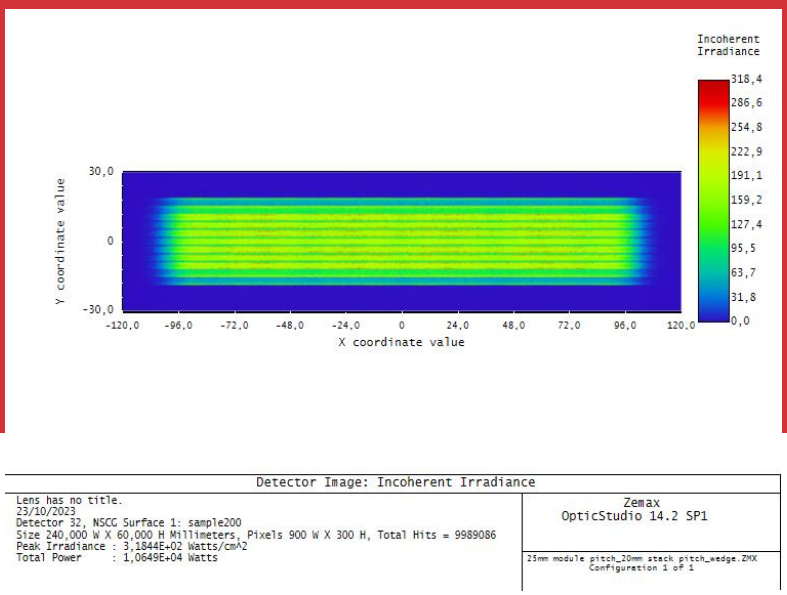
HeatMe module	HeatMe 2	HeatMe 4	HeatMe 6	HeatMe 8	HeatMe 10
Optical power [W]	2,000	4,000	6,000	8,000	10,000
Emission area (H × W) [mm²]	40 × 34	40 × 79	40 × 118	40 × 157	40 × 196
Power density [W/cm²]	1,100				
Wavelength [nm]	940 or 980				
Options	air curtain	glass protection		quick replacement	
Size (W × H × D) [mm]	up to 267 × 160 × 102 (for a 196 × 40 treatment area)				

Driver - DriveMe	
Laser control	CW and QCW mode, individual laser module control, dedicated aiming beam
Communication protocol	Profinet, EtherCAT®
Options	1 cabinet controls up to 10 kW in optical power e.g., 5 × HeatMe 2 or 1 × HeatMe 10

Full subassembly:

- Laser driver & power supply
- Chiller (optional)
- Control PC (optional)





Detector Image: Incoherent Irradiance

Lens has no title.
23/10/2023
Detector 32, NSCG Surface 1: sample200
Size 240,000 W X 60,000 H Millimeters, Pixels 900 W X 300 H, Total Hits = 9989086
Peak Irradiance : 3,1844E+02 Watts/cm^2
Total Power : 1,0649E+04 Watts

Zemax
OpticStudio 14.2 SP1

25mm module pitch_20mm stack pitch_wedge.ZMX
Configuration 1 of 1

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