

Edition: 15

MES thermsol® comIR Carbon Infrared Cartridge Heating System with Radiation Surface of 3 m²

Mehler Engineering + Service GmbH has delivered an MES thermsol® comIR Carbon Infrared Cartridge Heating System fitted with extremely fast carbon radiators for heating films for a embossing process in fall 2010. Due to the quick response time, you no longer need to lift off the cartridge or use radiator baffles to protect the film against overheating. A MES thermsol® comIR power control system with an optical temperature sensor and variable width levels provides for temperature-specific and efficient heating of the film during the embossing process while enabling significantly higher production speeds.

MES | systems®
... more than drying systems

MES | comtec®
... more than pilot installations

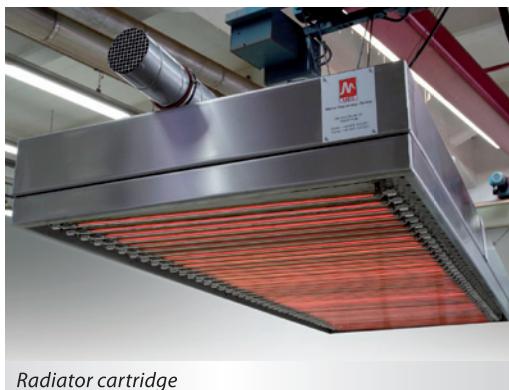
MES | thermsol®
... more than heating systems

MES | process®
... more than control engineering

MES | master®
... more than plant relocation

Characteristics:

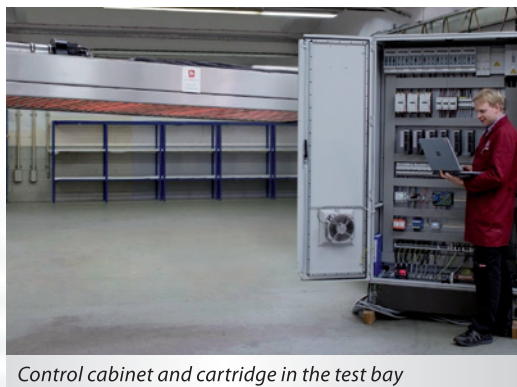
- temperature measurement and control through optical sensors
- extremely quick activation and deactivation response times
- sectional activation or deactivation
- the edge zone output can be increased as a percentage
- frequency-controlled cooling fans
- integrated interfaces to the stamping machine
- approx. 40% increase in productivity



Radiator cartridge

Technical Specifications:

- installed output: 160 kW
- heated length: 995 mm
- heated width: 3.100 mm
- type of radiator: carbon; arrangement ensures perfectly uniform radiation
- no. of individual radiators: 40
- no. of switchable width levels: 4
- temperature controller: with data recording



Control cabinet and cartridge in the test bay