

Advantages of the GUM GERMANY M - FIR-Heaters KBF

1. The **GUM GERMANY M-FIR-Heaters** have an **extremely high power of up to 50 KW/qm**. No were else in the world you will be able to find a surface-heater that has such a full-surface-heat-radiation with such a high power-output.
2. The **GUM GERMANY M-FIR-Heaters** have an **unusual high heating intensity that is 40% higher** than other IR-Systems, although the same amount of electricity is used. This means that the client can **save a high amount of electricity because of the high heating intensity**.
3. The **GUM GERMANY M-FIR-Heaters** have a **very short starting time**. The starting time only takes **max. 30 sec.**, this means that the GUM GERMANY M-FIR-Heaters reach and emit their full capacity in 30 seconds. The other LIR-Systems have a starting time of up to 30 minutes. If working with a printing line, you mainly have an average colour-change of 3 times within one working-shift of 8 hours. The client can **save nearly 2 hours of electricity per working-shift** (provided that one colour-change takes about 30 minutes).
4. The **GUM GERMANY M-FIR-Heating-Foils** have a **long lifetime**. The durability of the GUM GERMANY M-FIR-Heater-Foils is **3 –4 times longer** as usual IR-systems. The GUM GERMANY M-FIR-Heaters consist of a high heat-resisting insulating material and a specially developed metal foil 0,7mm. When electricity runs through these broad GUM GERMANY M-FIR-Heating-Foils, they will heat up to 800° Celsius and they anneal steadily. The GUM GERMANY M-FIR-Heating-Foils can be changed by the user himself. The tools and the instructions will be given by GUM GERMANY for your disposal.
5. The **GUM GERMANY M-FIR-Heaters** have an electronic control unit (optional). Therefore the capacity is infinitely variable and can be adjusted as follows:
 - by hand with potentiometer
 - measuring of the temperature with contactless sensor scan
 - speed of transport

This means that the necessary performance of the GUM GERMANY M-FIR-Heater can be adjusted to the requirement at its best possible. Because of this electricity power can be saved.

6. The **GUM GERMANY M-FIR-Heaters offer high security**. In case of power outage or if the printing line is stopped, the high temperature of the GUM GERMANY M-FIR-Heater sinks immediately within 2 seconds. Because of this, burns on the products will not occur. Also for your security, an electronic lock has been installed to assure that the GUM GERMANY M-FIR-Heaters can only be switched on when the conveyor belt is running.