

KENDRION SOLUTIONS

Equal heating for highest yarn quality

Optimal control of the temperature
in godets with inductive heating

Inductive heating systems offer an efficient and precisely controllable solution for heating godets in synthetic fiber production. This technology provides a fast and equal heating process which is crucial for the stretching and fixing of synthetic continuous filament yarn. During this process, the temperature of up to eight heating zones can be independently regulated to up to 300 °C. This allows a flexible adaptation to individual production requirements.

Because of the inductive heating principle, the heat transfer occurs without contact, with high efficiency and reduced energy consumption. A wireless measurement of the temperature allows a precise control. Additionally, inductive heating is resource-saving and maintenance-free. Due to its compact size of 60 mm to 480 mm inner diameter, the system is easily integrated in existing production lines. The optional

fieldbus interface enables a seamless connection to higher level control systems.

Product features

- High energy efficiency >95 %
- Precise regulation $\pm 1,5$ °C
- Cleaner and safer than heating with oil or gas
- Modular, scalable system up to 46 inductors, up to 100 kWh
- Tailor-made solutions for flat or roller heating
- Fieldbus compatible (PROFINET, EtherCAT, CANopen)
- Control systems, generators and inductors from a single source
- Wireless temperature measurement via infrared
- Compact size for easy integration

Further application areas

- Food industry
- Paper and print processes
- Packaging industry



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