

INTEK Intelligence

Textile Carbonization

201365

PROCESS: Carbonization of Rayon Fabrics



THE INTEK SOLUTION

The customer arrived at INTEK with a challenge in their carbon fiber material process, and following in-house testing with the customer, INTEK was able to offer a process heating solution to meet the challenge.

The material required homogeneous, controllable heating across the entire web. INTEK OM-model infrared heaters were the perfect match for the application due to the inherent characteristics of the flat-panel emitter design. With properly engineered thermal zoning, the customer was able to carbonize their material with precision and speed.

PRICE RANGE:

\$400,000 - \$600,000

SYSTEM DIMENSIONS-INTERNAL:

720"L x 60"W x 6"H

POWER REQUIREMENT:

336kW / 480V-3PH / 425A / 60Hz

HEAT SOURCE:

48 electric IR heaters @ 7 kW each

3 independent heat zones

EXHAUST:

3 Exhaust Ports – 1 port per zone

PROCESS TEMP:

500°F (260°C)



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