



HEYAANSH

Heyaansh Nano Infrared Heaters

Quartz Tube Infrared Heating Solutions

Efficient industrial heating for extrusion, plastic processing, packaging and FIBC manufacturing.

High-performance nano infrared heaters engineered for precise, uniform heating, rapid response and long-term reliability in demanding production environments.



Energy
Efficient



Fast
Heating



Long
Life



Stable
Performance

30-70%

Typical Energy Saving

17°C/min

Heating Rate

±0.1°C

Accuracy

1-220 kW

Power Range



Free consultation for
manufacturers and process units

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Overview

Heyaansh Nano Infrared Heaters use quartz tube infrared heating technology for high-performance, energy-efficient processing across extrusion, plastic processing, packaging, and FIBC-related manufacturing.

These heaters deliver precise, uniform heat with rapid response and long-term reliability in demanding production environments.

1

High Thermal Efficiency

Quartz tubes convert electrical energy directly into infrared heat, maximising usable energy.



2

Fast Heat Response

Instant heat-up and cool-down for precise temperature control and higher productivity.



3

Lower Surface Temperature

Infrared energy is transferred to the material, keeping heater surfaces safer to operate around.



4

Long Service Life

High-quality quartz tubes offer thermal stability and heat-shock resistance, reducing downtime.



Ideal processes



Extrusion



Plastic
Processing



Packaging



FIBC
Manufacturing



Blown Film



Industrial
Process Heating



Standard configuration ranges. Custom sizes and quartz tube configurations are available on request.



Inner Diameter Range
80–650 mm



Height Range
120–550 mm



Thickness Range
30–100 mm



Maximum Heating Rate
17 °C / min



Temperature Control Accuracy
±0.1 °C



Voltage Range
110 V – 477 V



Power Range
1 – 220 kW

Built for Industrial Performance



Quartz Tube Heating Technology

Purpose-built quartz tubes generate and transfer infrared heat efficiently for fast, consistent heating.



Stable Temperature Control

Precision control holds set-points to ±0.1°C for repeatable output quality.



High Safety & Reliability

No direct flame, lower surface temperatures, and robust construction for demanding plants.



Fast heating



Uniform heat distribution



Reduced energy loss



Operator safety



Representative savings observed in customer installations. Actual savings vary by machine type, process parameters, insulation and operating conditions.



Injection Molding

48.6%
Saved

Precise and uniform heating for higher output and better product quality.



Extrusion Lines

58.8%
Saved

Consistent temperature control for smooth extrusion and improved efficiency.



Blown Film & Packaging

Stable heat distribution for better film quality and reduced waste.



Industrial Process Heating

39.6%
Saved

Reliable heating performance across a wide range of industrial applications.



Engineered Reliability

1



Heating Wire

High-efficiency resistance wire converts electrical energy directly into heat.

2



Quartz Tubes

Generate and transfer infrared heat efficiently for fast, consistent heating.

3



Insulation Layer

Advanced insulation minimises heat loss and enhances overall efficiency.

4



Outer Shell

Durable high-temperature casing ensures protection and long service life.



Ready to Upgrade Your Heating Efficiency?

Talk to Heyaansh for dependable quartz tube nano infrared heating solutions tailored to your process. Get technical support, sizing and quotations.

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