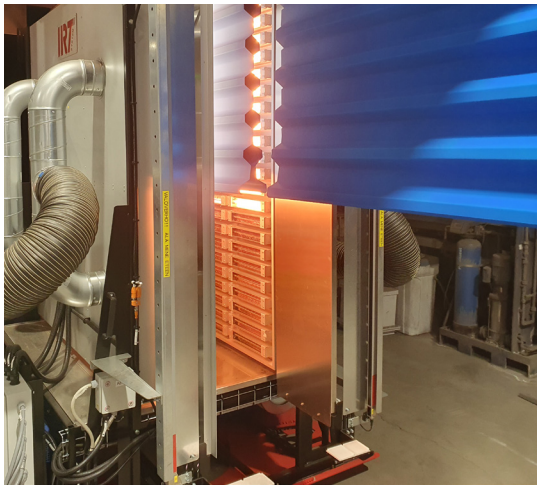
IRT BOOSTER

BOOST YOUR POWDER COATING LINE WITH IRT INFRARED







Small footprint. This model 2x2.8 m (6.6x9.2 ft)
Bottom image of electrical cabinet.

PROJECT DESCRIPTION

- **Type of industry:**

Powder coating services specialist.

Project number:

303700

CLIENT OBJECTIVE

To increase line speed for faster client cycle times.

Result:

Line speed increased from
1.0-1.2 MPM (3.3-3.9 FPM) to
1.5-2.0 MPM (4.9-6.6 FPM)

To introduce thicker goods items to the line.

Result:

New goods thickness 60 mm (2.2 in)

CLIENT PROCESS

- **Parts, material and dimensions:**

Small and large parts in powder coating line

- **Type of transport, static/dynamic, speed etc:**

Overhead conveyor

- **Material (wet-dry paint/other), max temp allowed etc:**

Powder

IRT SOLUTION

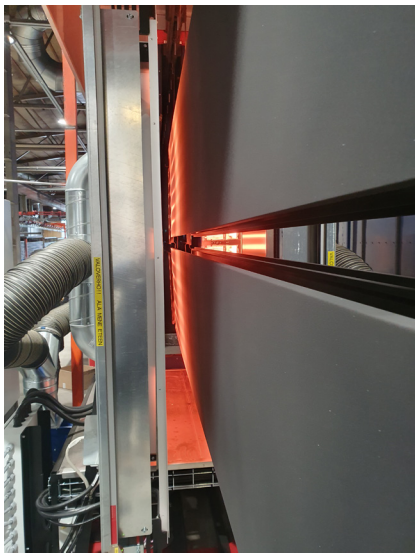
- **Chosen heating method, cassette dimensions, time, temperature increase/min, effect etc:**

- IRT Booster with control cabinet:
  2 PowerCassettes on opposite sides
- Each side:
  22 lamps 360 mm with glass, each 4kW
  22 lamps 1124 mm with glass, each 4kW
- Top sensors identify the width of the goods and adjust the Booster sides accordingly
- A light curtain senses the height of the goods, and activates the sufficient zones
- HMI on control cabinet regulates the 22 individual zones
- Each zone can be adjusted 0-100% power
- Individual recipes are created by adapting zone power

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The IRT Booster solution has a small foot print and can be retrofitted to most paint lines, to increase line speed and improve efficiency. Production bottleneck solved!



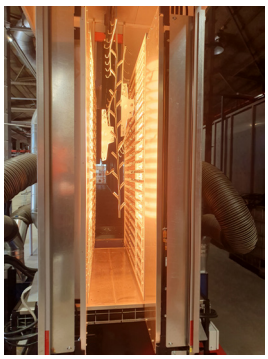
The IRT Booster saves energy. It is only active when goods are entering the infrared oven.

These are several advantages reported back from this installation:

- **The line can be used for thicker goods**
- **The convection oven gets less dirty**
- **The temperature of the convection oven can be lowered**
- **The goods is now, for example, 120°C-180°C when entering the convection oven**







IRT INDUSTRIAL develops, manufactures and supplies custombuilt IRT curing solutions to all industrial sectors. IRT is a trademark belonging to Hedson Technologies, an environmental engineering corporation and world leading supplier of cleaning, curing and lifting equipment.

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