HEDSON

PERFORMANCE ABOVE ALL

IRT BOOSTER, SURFACE FINISHING ALUMINIUM PROFILES

IRT HEDSON INDUSTRIAL SOLUTIONS

We develop, manufacture and supply custombuilt IRT drying and 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.

PROJECT DESCRIPTION

- **Type of industry:**

Powder coating facility

- **Place:**

Sweden

- **Project number:**

300840

OBJECTIVE

With an annual processing of parts +22 million, curing must be a complete 100% controlled process

PROCESS

- **Parts, material and dimensions:**

Batches of parts, varying height 50-1500 mm

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

Multiple line conveyor

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

Inhouse open air, electrostatic, grounded, low solvent based, wet paint system

IRT HEDSON SOLUTION

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

A complete IRT-System oven with several lines to maintain control of curing and produciton flow, 530 kW.

IRT SYSTEM

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CASE: PG & WIP MULTIPLE PAINTLINES

AUTOMATION WITH INFRARED TECHNOLOGY

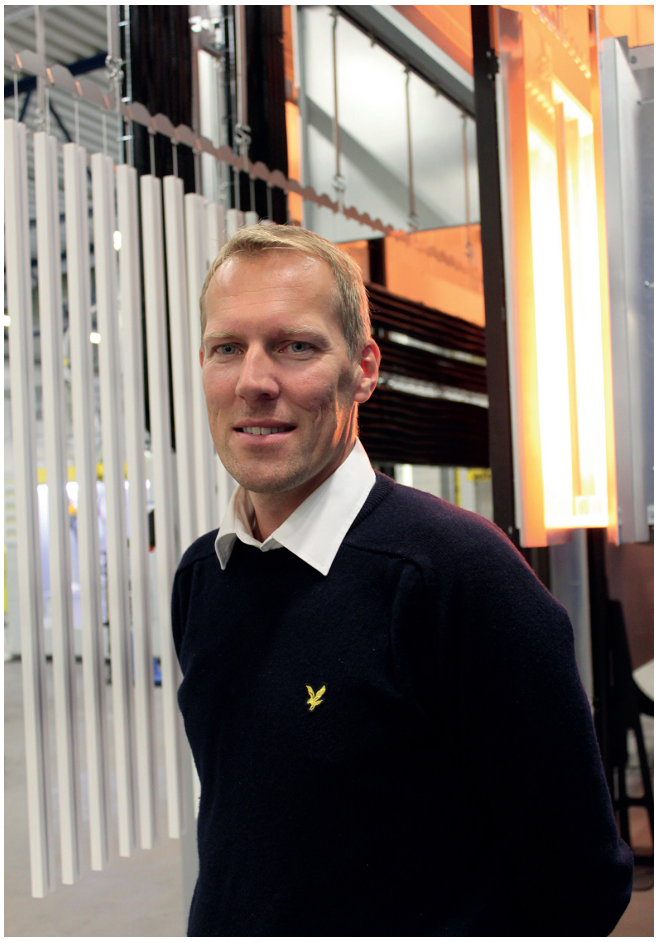
During 2015, PG & WIP in Swedish Åseda have launched a completely automated installation for an annual processing, powder coating and packaging of approximately 22 million parts. Rickard Olsson, General Manager at WIP Consulting, explains that parts are being processed 24-7, for a client within the interior design manufacturing industry. This order was won in fierce competion with, amongst others, Chinese suppliers. "For our curing installation we chose a complete IRT-system with several lines to create a flexible curing process. It was extremely important for us to maintain control of curing and production flow."

PROCESS CONTROL

IRT's Project Manager Henric Fagerlind explains:
"With IR-technology you can quickly reach the required temperature, time range for start/stop is a matter of seconds. This is how PG & WIP achieve the desired process control." Henric Fagerlind means that IR-technique leads to both increased production rate and reduced energy consumption.
Therefore, an infrared booster is advantageously placed before convection- and drying ovens in all types of powder coating lines. It requires very little space and can be added to an existing layout without much intervention.

- **Rickard Olsson, WIP Consulting: "PG & WIP's new facility in Åseda is fully automated with an annual volume of about 22 million parts and a turnover of approximately SEK 9 million per employee.**

- **Rickard Olsson on the choice of IRT`s infrared technology in the curing process: "We chose a complete IR system with multiple lines to create a flexible curing process. It was a non-negotiable requirement to be able to control curing and production flow."**



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