

IRT BOOSTER, INHOUSE POWDER COATING



PROJECT DESCRIPTION

- **Type of industry:**

Lifting equipment manufacturer

- **Place:**

Sweden

- **Project number:**

81_2011_1

OBJECTIVE

Boosting the inhouse powder coating line

PROCESS

- **Parts, material and dimensions:**

Lifting equipment parts

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

Standard type conveyor

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

Powder coating facility

IRT HEDSON SOLUTION

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

IRT-Booster size 500 x 280 x 300 mm, 18 kW

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.



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CASE: TAWI

20% PRODUCTION RATE INCREASE WITH UPGRADED POWDER COATING FACILITY

TAWI, situated in Kungsbacka, Sweden, is a major manufacturer of lifting equipment for industrial use. Their vacuum lifters and hoists are supplied world wide with their own line of crane systems and jib cranes.

When the increased demand for crane systems became a bottle neck in production, TAWI invested in the IRT-Booster. Anders Jorstadius, Vice President of TAWI explains;

“At the time, the increased demand often ended up in weekend extra hours. By investing in the IRT-Booster we could immediately turn up production rate almost 20%. Some quality issues also disappeared in the process. Excess heat was already being re-used in the heating system so we are really getting 100% out of this system.”

IRT-BOOSTER

TAWI operator Karsten Kristensen has worked with the powder coating line for 16 years and with the IRT-Booster for 2 years; “In the past, we sometimes had quality problems which disappeared altogether with the installation of the IRT-Booster.”

Christer Johansson of Crescocito, a partner of IRT/Hedson, initially supplied this powder coating line and also suggested the addition of an IRT-Booster when TAWI were experiencing production time issues: “IRT-Boosters are a flexible and effective solution that can be combined with many traditional curing methods. A production rate increase of up to 20% as in TAWI’s case is not at all unusual.”



- Anders Jorstadius, Vice President of TAWI explains that by investing in the IRT-Booster, production rate could immediately be turned up 20%.



- Karsten Kristensen is operator at TAWI AB with longterm experience of powder coating steel profiles and details for crane systems and jib cranes. He is demonstrating that the IRT-Booster can easily be adjusted closer to the line of details in the oven.



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