

FINNISH STATE RAILWAYS (VR)

Pieksämäki, Finland

DELIVERY IN 1990

2 Blastman BR20 robots

MODERNIZATION IN 2007

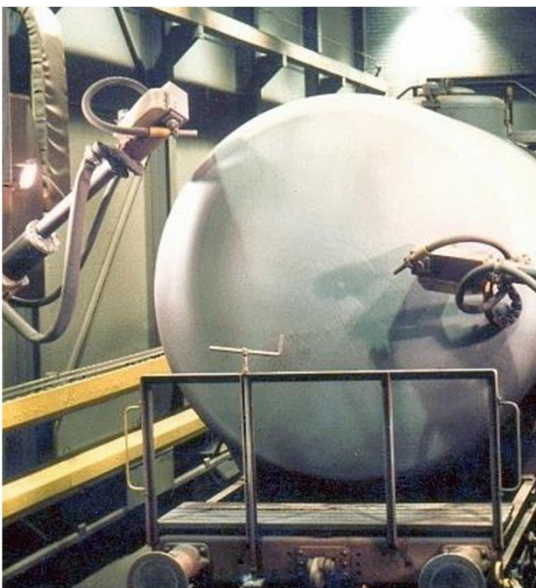
Overall rebuild of control system and mechanical devices

MODERNIZATION IN 2014

Control system

Electrification

Replacing hydraulic technology to latest servo technology



"Through our years of using Blastman robots, we have been able to maintain our existing workforce and keep our workers happy. Currently we're facing a situation where blast cleaners are retiring due to their age, instead of leaving for health issues. This is a first in our history. Blastman robots have also allowed us to keep our production efficient and our quality at the highest level."

Juhani Uimonen, VR, Finland

OBJECTIVE

Automize production

Improve quality and efficiency

Improve health and safety of operators

PROCESS INFORMATION

Workpiece

- Various types of railway wagons

Workpiece condition

- Rust grade D with existing coating

Pressure

- 7 bar

Abrasive

- Steel grit

Nozzle / robot

- 1 x 16 mm

Efficiency

- 50 – 100 m²/h

Typical manual blasting efficiency

- 5 -10m²/h for a similar process

Cleanliness

- Sa 2,5