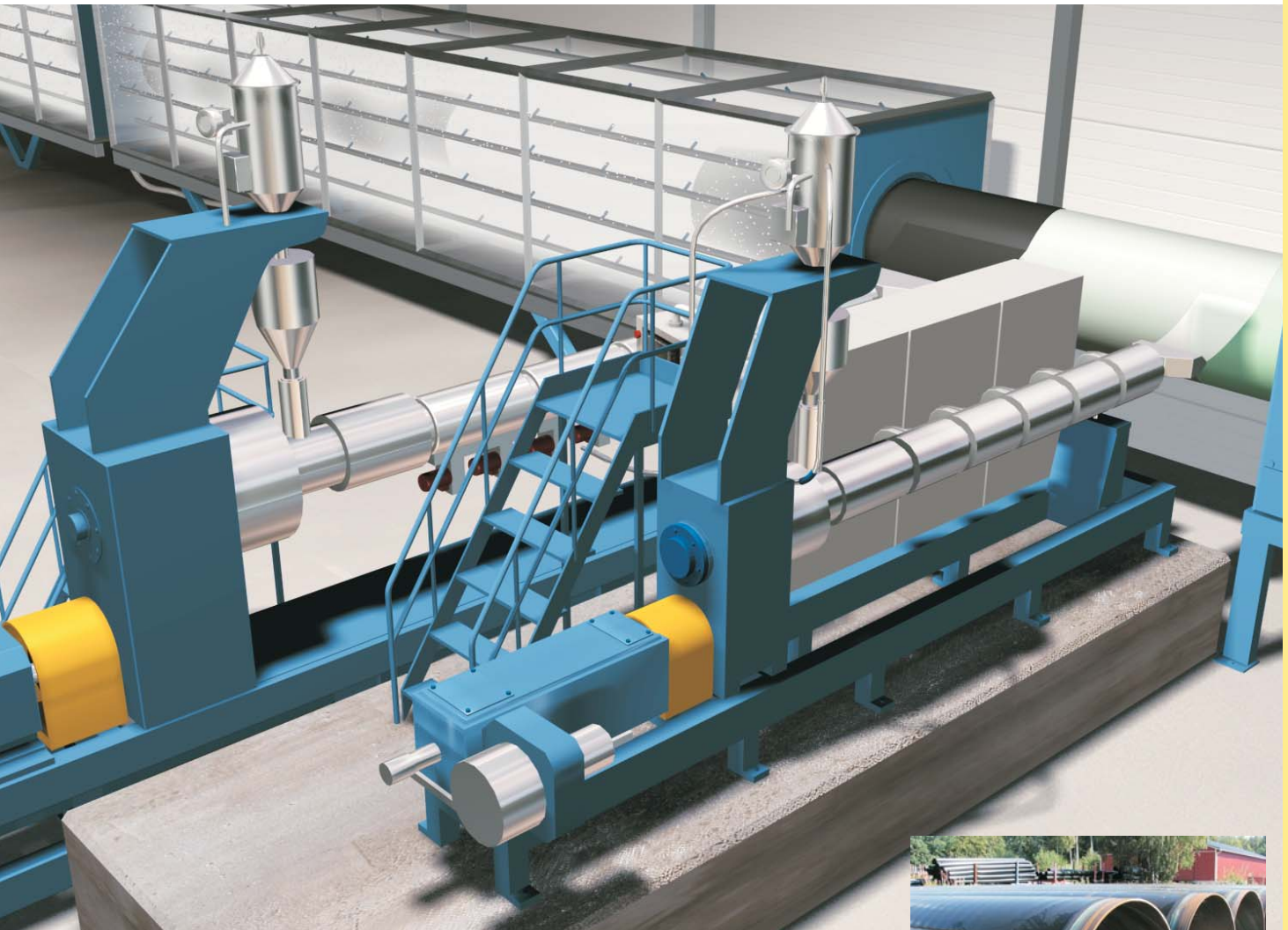


# Steel Pipe Coating Technology

Production technology for PE/PP-coated steel pipes



## Main applications

- Transport of natural gas
- Transport of crude oil
- Transport of petrochemicals
- Transport of water

Three layered PE or PP coating ensures less risk of damages during pipe handling, transportation and pipe laying as well as other advantages can be named like:

- Can be used without sand padding
- Can be customised for each project
- Long service life expectancy
- Excellent corrosion protection
- High operating temperature (PP)



## Products

- Steel pipe coating plants
- Equipment for field joint coating

## Size range Ø

500 - 1500 mm

## Output

1,5 - 4 m/min

## Structure

- steel
- epoxy
- adhesive
- PE or PP

# Steel pipe coating Technology

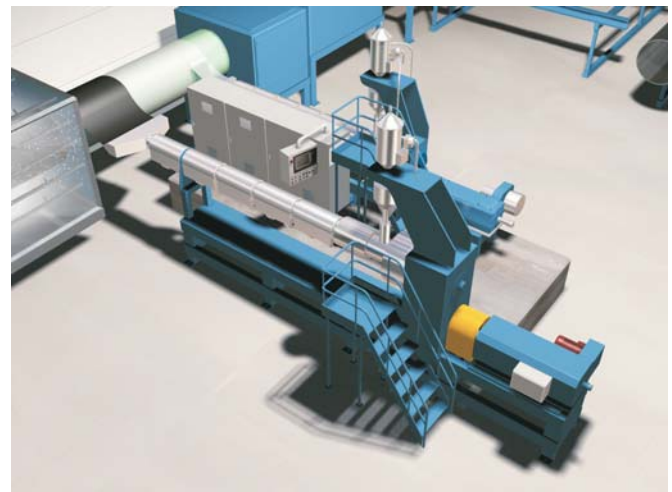
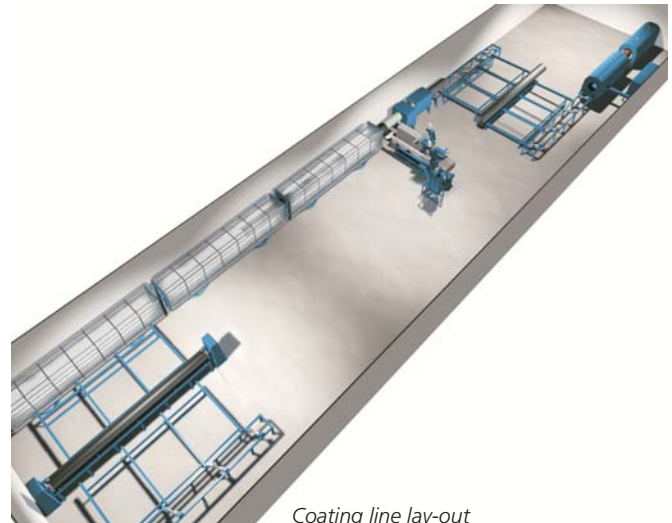
Production technology for PE/PP-coated steel pipes

## Description

The steel pipe is to be pre-heated, gritblasted and heated again before epoxy spraying and proper coating with PE or PP by extrusion. Suitable pre-heating and heating temperatures can be achieved using oil-, gas- or inductive heating methods depending on local conditions.

Separate adhesive- and coating extruders carry out the side extrusion phase.

The pipe is to be cooled with water immediately after extrusion to have sufficient surface hardness before moving to the end brushing and final testing.



## Technical Specification

The coating plant / coating line consists of following machines:

- Preheating chamber
- Grit blasting machine
- Heating chamber
- Epoxy sprayer
- Extruder for PE/PP
- Water coolers
- End brushing equipment
- Test equipment
- Conveyers



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