



Induction bending

For bends from 2" to 30" diameter

Van Rijsoort Induction is the specialist when it comes to forming bends. In our Klaaswaal production facility we can carry out both cold- and induction-bending processes. We have the largest 3D induction-bending machine in Europe, which enables us to work to the finest of tolerances. To complement our state-of-the-art hardware, our engineers, QA/QC employees, calculators and production specialists provide the kind of expertise and professional support that our clients are accustomed to receiving from us. Which is something we are very proud of.

What is induction bending?

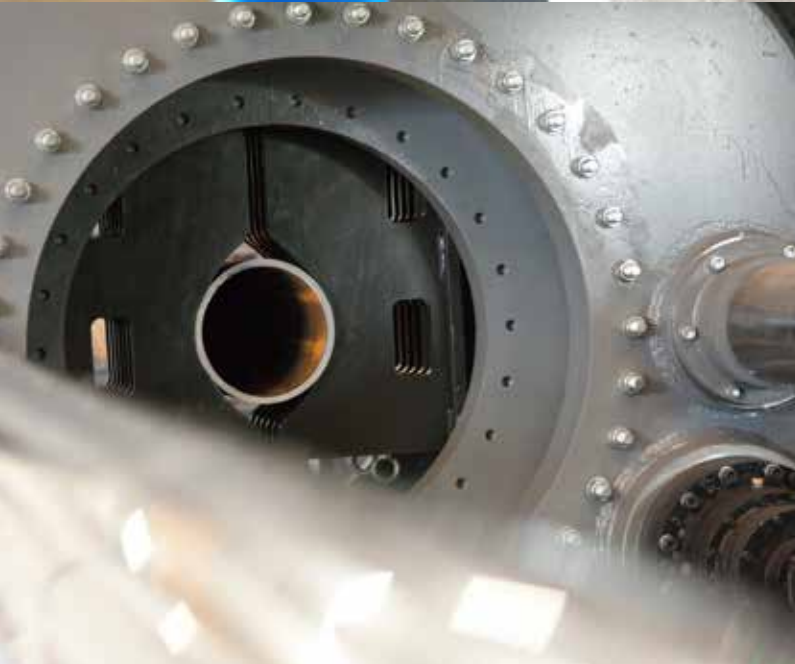
Induction bending is a process that makes it possible to bend any material that conducts electricity. A fluctuating electromagnetic field creates an eddy current and heats the material locally. Once the required temperature is reached, the tube is bent at a constant speed until the required angle is achieved.

To guarantee uniform heating and minimise the risk of cracking or overheating, an infrared camera continuously monitors the temperature.



*Committed professionals
who take care of
all facets of the work*

**VAN
RIJSOORT
INDUCTION**
CERTIFIED TUBE BENDERS



More than just bending

Induction bending

- Induction bending of tubes from 2" to 30" diameter, with any radius between 2D and 12,000mm.
- Using the most advanced and accurate bending machine in Europe.

Heat treatment

- All forms of heat treatment up to 1,200°C, continuously monitored and always accompanied by a full annealing report (PBHT).

Engineering & advice

- Our professionals can advise you during the complete process, from design to production to delivery.

Edge preparation for welds

- We can provide any specific welding edge that you require.

Delivery of materials

- Capitalise on our know-how and expertise and procure the most suitable materials for your.

The advantages of induction bending

- Practically every bending angle and radius is possible.
- A larger radius reduces pressure loss and back-flow.
- No need for welds between bends, saving on welding and NDT costs.
- Stronger than elbows.
- Very small dimensional deviations and tolerances are possible.
- Can be customised to any design and application.
- Much shorter production times, compared to elbows.
- Leaner, meaner and cleaner designs.

Getting the job done



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