



# Pigging Technology

## Innovation from Bremen

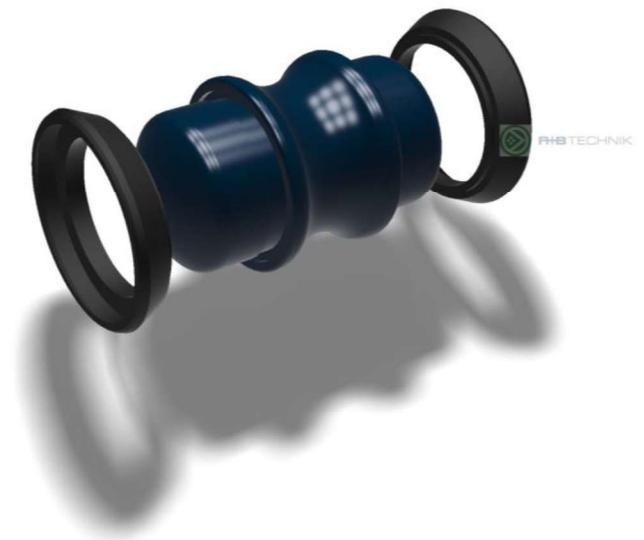
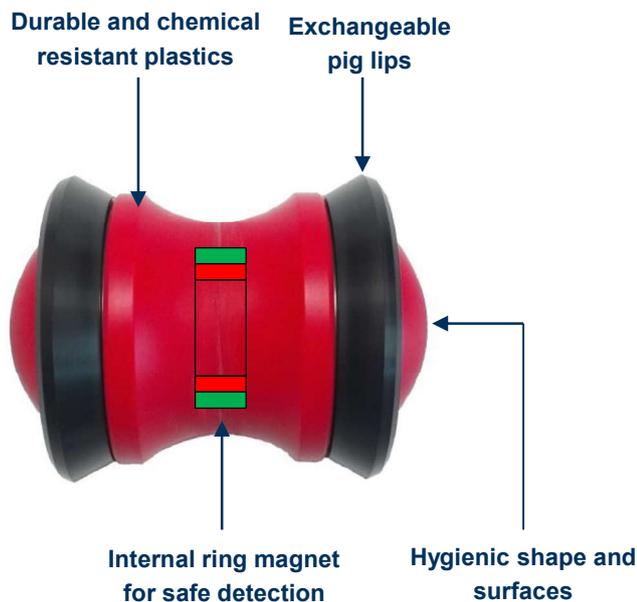


### Pigs in accordance with advanced standards

Reliable pigging technology for controlled product discharge starts with the selection of the pig. Based on years of experience in pigging technology R+B TECHNIK presents a new, patented pig. Reliability, durability and best results in pipe cleaning are combined in a modern solution. A powerful magnet inside the robust pig body enables both manual and automatic pig detection in every part of your plant.

The special design of the exchangeable pig lips increases the contact pressure between sealing edge and inner pipe surface during the pigging process for best results. In case of damage or abrasion, the pig lips can be replaced at low cost without the need to purchase a new pig.

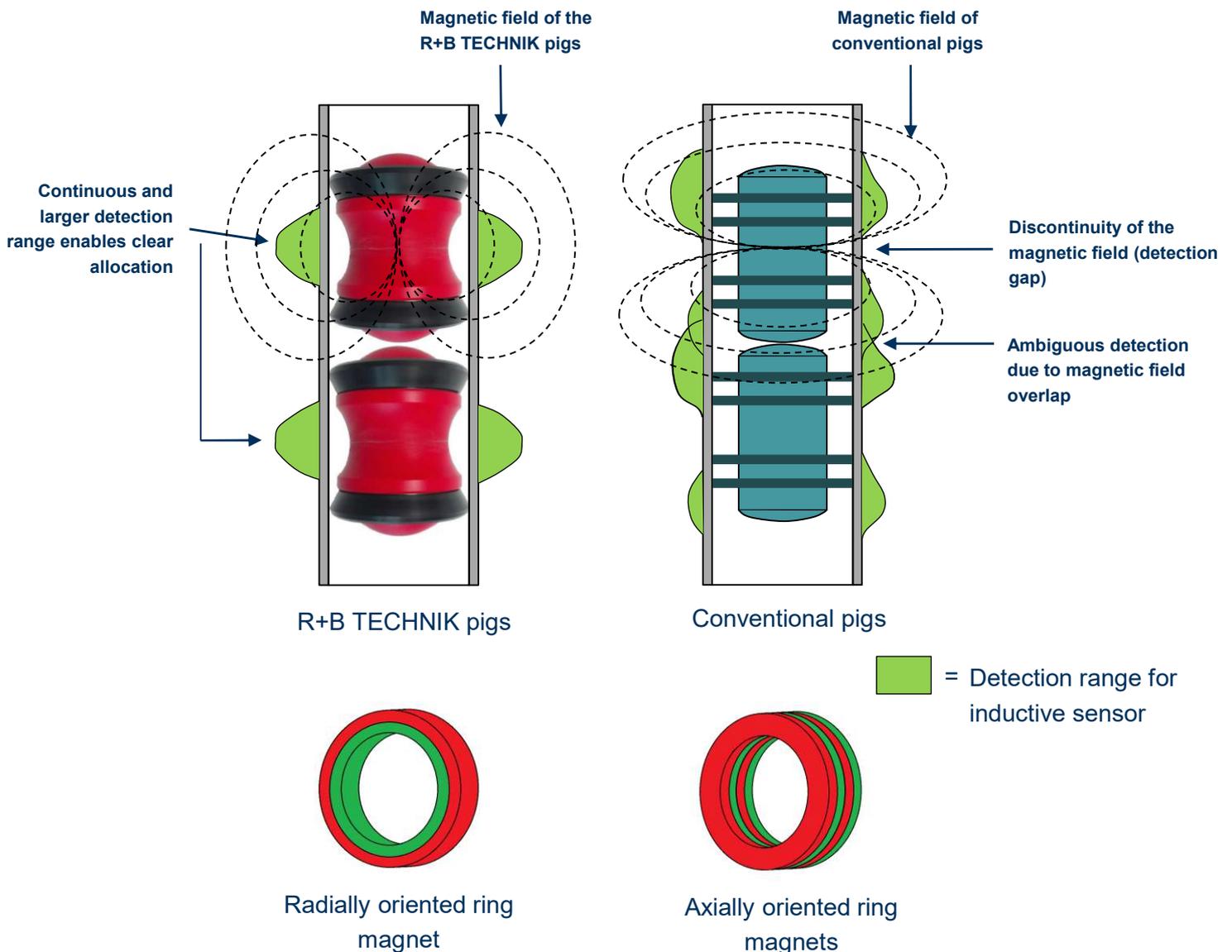
R+B TECHNIK pigs are available with FDA-conformity and in a variety of high-performance plastics for individual chemical resistance and hygiene.



## Reliable and unambiguous pig localization

For the smooth running of a pigging process a reliable and clear detection of each individual pig position is necessary, both in the pipe segments and in the Launching and receiving stations. Operation managers know the problem: Pig detectors cannot locate pigs or detect an adjacent pig, which often leads to problems in process sequences and makes adjustments necessary. The reason is the magnetic field of conventional pigs, which is not uniform due to the axial magnetisation and even overlaps with those of adjacent pigs.

R+B TECHNIK pigs guarantee exact and unambiguous pig detection in every part of your plant due to their radially oriented magnetic field.





## Exchangeable pig lips

During the pigging process the sealing lips of the pig are of central importance regarding durability and quality. R+B TECHNIK combines several advantages in the patented lip design:

High abrasion resistance and flexibility of the V-shaped profile enable very good sealing properties and easy cleaning, even in bend segments and valves. The lips of conventional pigs often tend to flap at high viscosities and pressures, thus allowing film formation on the pipe wall. The special design of the R+B TECHNIK pig lips even increases the sealing effect at high pressure and allows almost complete removal of residues. In case of damage or abrasion, the pig lips can be replaced at any time at low cost - a replacement of the pig body is not necessary.

### Advantages of R+B TECHNIK pigs:

- Long durability through impact strength and wear resistance
- Exchangeable pig lips instead of complete replacement pig
- Innovative pig lip technology: Best possible sealing properties through shape and flexibility
- Can be used in pig line bends and valves according to DIN 11850
- Radially oriented magnets guarantee simple and exact localisation within your pipelines
- Various base materials for individual chemical resistance
- Conforms to hygiene standards
- Food quality, FDA compliant



Nominal diameter	Materials <sup>1</sup>
DN 25 – DN 200 (1" – 8")	PU, EPDM, PMMA, PTFE, PEEK, ...

<sup>1</sup> R+B TECHNIK offers a wide range of high-performance plastics. Individually adapted to your requirements, pigs made of any machinable material with a minimum hardness of 80 Shore D can be realized.

