



## *Topic*

- General Product Range
- Fields of Application
- Individual Applications
  - PTA
  - Coal gasification
  - Siliconfines
  - Iron ore reduction / High temperature application
  - Low temperature application
- Typical Customer





## *General Product Range*

- Two-Way and Multi-port / Diverter Ball Valves
- Switch Units for Relief-Valves
- Ball Valves produced acc. all standards (e.g. DIN, ANSI, JIS, GOST)
- Temperature Range: -196 °C to + 800 °C  
-320 °F to + 1500 °F
- Size Range: DN 15 (1/2") to DN 600 (24") Diameter
- Medium: Fluids, Gas, Solids (incl. corrosive, abrasive mediums)
- Pressure Range: PN 6 (Class 150) up to PN 420 (Class 2500)
- Materials: Carbon Steel / Stainless Steel/Titanium / Hastelloy & Duplex/Inconel & Monel, other special materials





## *Fields of Application*

- Chemical Industry
  - Petrochemical Industry
  - Mechanical Engineering for Plant Construction / Loading Technology
  - Coal Gasification Industry
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- Iron & Steel and Aluminum Industries
  - Power and Waste Industries
  - Transportation of Solids
  - Refineries
  - Liquide Gas (LNG)
  - Cement Industry





## *Individual Applications:*

**Continous focus with permanent improvements in technology for:**

- PTA
- MDI/TDI
- Coal Gasification and Liquefaction
- Silicon
- PP/PE
- Coal Injection (Iron and Steel Industry)

***The above applications cover more than 80% of Perrin's annual sales***

**Revival/Relaunch of:**

- Delayed Coker Valves
- Refineries
- Power plants

**New markets and applications:**

- Solar industry
- Deep water drilling industry



## Typical customer

### key accounts in processes

Purified Terephthalic Acid (PTA)



Polyethylene / Polypropylene (PE / PP)



Nuclear Power Generation



SINOCHEM NINGBO

SIEMENS

Isocyanates (MDI / TDI)

Coal Gasification

### further customers

Bayer Schering Pharma



INEOS



worldwide customers in different processes

## PERRIN links Nidderau with the world



*Questions  
are  
welcome*

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