

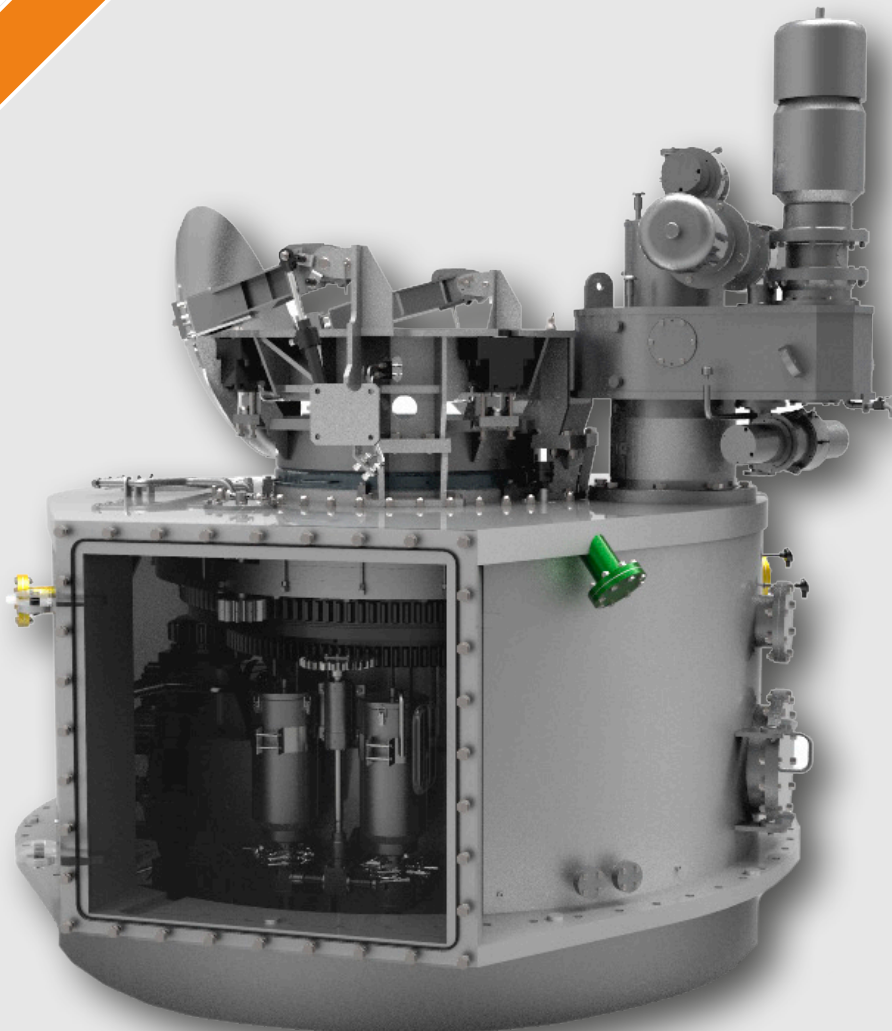
PAUL WURTH

SMS group

CTG PC2 – Chute Transmission Gearbox

Bell Less Top® Charging System

Blast Furnace Plants



Bell Less Top® Charging System — CTG PC2 – Chute Transmission Gearbox

Over 45 years of knowhow and experience in Bell Less Top® charging technology have led to the development of the new **CTG PC2 Chute Transmission Gearbox** providing following **benefits**:

- ▶ Improved dust and temperature resistance;
- ▶ Improved cooling system;



- ▶ Improved greasing system;



- ▶ Increased chute tilting gear lifetime;
- ▶ Compatible with existing:
 - Planetary Gearbox or 2x separate Servo drives
 - Tilting Gearbox (standard & reinforced)
 - Distribution chute
 - Spherical Maintenance Valve
 - Goggle Valve

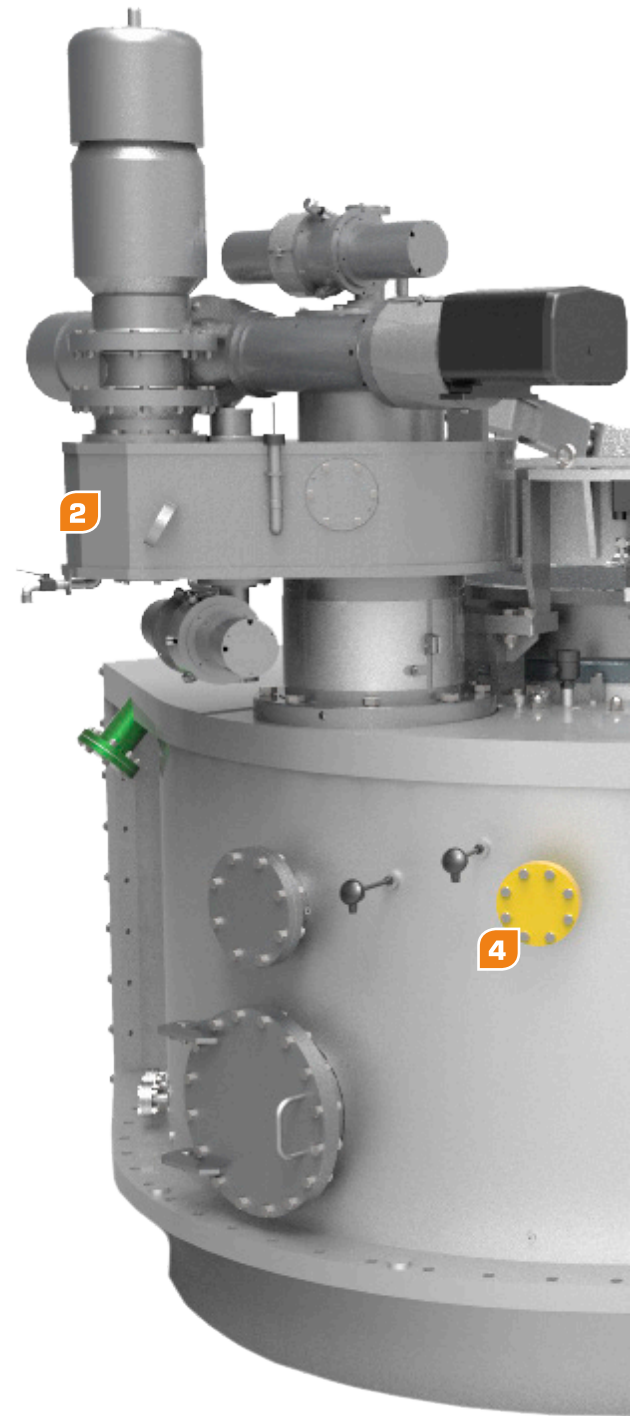


3a



3b

- ▶ Redesigned casing with simplified connections (no spider-web shaped header);
- ▶ Reduced maintenance costs

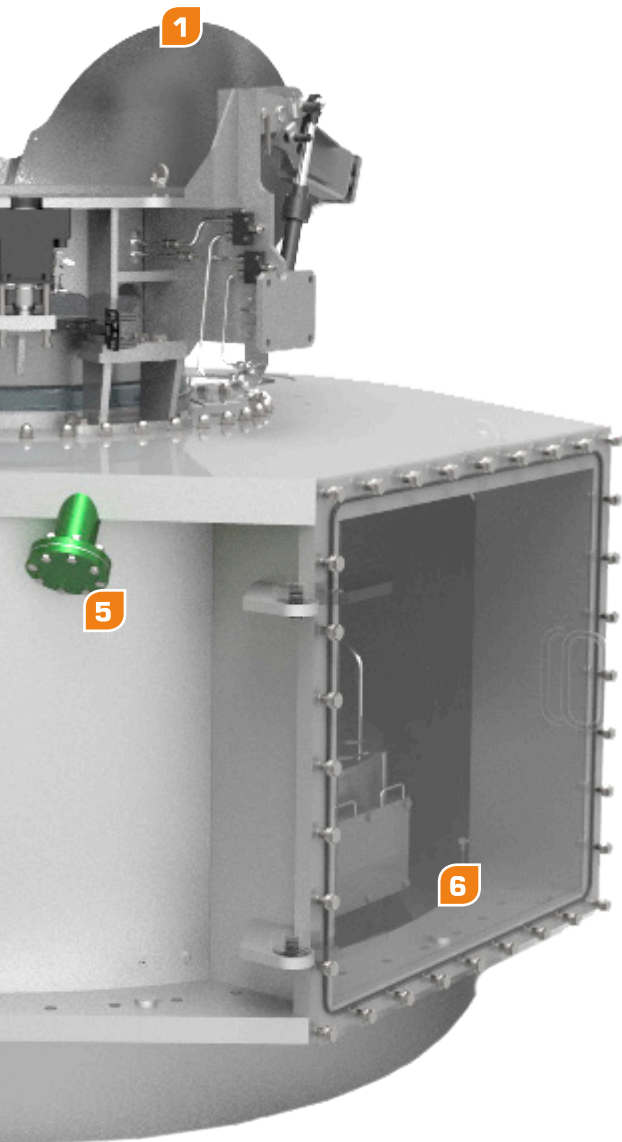


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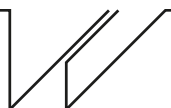
Key features:

- ▶ Pressurized closed-loop water cooling system without contamination of cooling water with blast furnace atmosphere and grease providing highest cooling efficiencies without cleaning requirements.
- ▶ The casing has been designed allowing reinforced and standard chute tilting gears.
- ▶ Conventional planetary gearbox (PG) or separate drive units for rotation and tilting with improved sealing system can be installed on CTG PC2.
- ▶ Enhanced greasing system for continuous greasing of chute tilting gears increasing life-time.



- 1 Isolation Valve
- 2 Planetary Gearbox
- 3a Standard Gear for Chute Angle Adjusting
- 3b Reinforced Gear for Chute Angle Adjusting
- 4 Nitrogen Connection
- 5 Cooling Water Connection
- 6 Maintenance Door
- 7 Greasing System

Enhance your blast furnace performance with Paul Wurth's
CTG PC2 Chute Transmission Gearbox



Engineering & Technology worldwide

The Paul Wurth Group is today one of the world leaders in the design and supply of complete plants, systems and processes as well as specialised mechanical equipment for

■ the iron & steel industry:

Blast Furnaces & Auxiliary Plants
Coke Making Plants
Direct Reduction Plants
Environmental Protection, Recycling & Energy-Saving Technologies

■ other industries:

Valve Solutions for Oil & Gas Downstream Processes
Solutions for Decentralised Energy Production
Intralogistics Solutions for Heavy Loads
Engineering & Project Management for Civil Construction and Infrastructure Projects

Feasibility Studies – Conceptual, Basic and Detail Engineering – Project Management – Plant and Components Supply – Turnkey Projects – Digital Solutions – Assistance in Plant Assembly and Commissioning – Technology and Operations Consultancy – On-site and Remote Operational Assistance – After-sales Services

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