



CLAUDIUS PETERS



Technology you can trust

www.claudiuspeters.com

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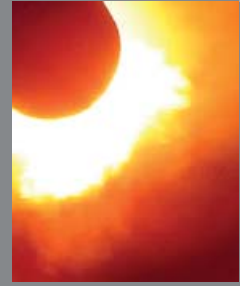
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Claudius Peters Headquarters, Germany



About us

In more than a century we have grown from our foundations in the cement industry to one of the world's most revered engineering houses. From conception to installation, through to commissioning and after sales support Claudius Peters provides world-class service to world-class clients.

We set the benchmark for technological excellence in the industry and beyond and our name is synonymous with innovation and leading edge solutions.

The Claudius Peters group is headquartered in Buxtehude, Germany where the Technikum (Technical Centre), and vast manufacturing facilities totalling over 44,900 sq. metres are located.

The group's other principal division, Aerospace, is engaged in the manufacture of aircraft parts for the European Airbus programme.

The Claudius Peters group is a wholly owned subsidiary of Langley Holdings plc, a privately controlled UK engineering group, with regional offices in the Americas, China, India and Europe.



Claudius Peters headquarters in Buxtehude, near Hamburg, Germany



Claudius Peters, France



Claudius Peters Dallas, USA

Business Areas

With a wealth of experience and expertise that spans a range of industries, Claudius Peters technologies are trusted by more organizations and industries worldwide than any other name in engineering, delivering performance solutions every time.



Cement

This is the industry where we started, and one in which we are still a world leader today. Claudius Peters offers new innovations and solutions for high production capacity coupled with lower operating costs in all areas of the cement manufacturing process.

Our foundations in the industry are solid, which we have built upon extensively over the years. Today, our advanced technology spans planning, design, construction and commissioning; and our after sales service is second to none to ensure complete satisfaction.

Building Materials

Claudius Peters has a proven track record in the processing of bulk materials for a variety of applications. From grinding in our famous EM mill to pneumatic conveying, storage, mixing and packing, we have a solution whatever your requirements.

In recent years, Claudius Peters has developed new products for bulk materials that influence the processing of building materials to an optimum. These cutting edge solutions were developed in co-operation with our clients based upon our process and material knowledge and proven in the Claudius Peters Technikum (Technical Centre).



We deliver tailor made solutions, helping you build on your success



Gypsum

Maximum reliability combined with efficient operating costs, makes Claudius Peters the ideal partner for any project. From stockyard and materials handling systems, calcining mills, flash calciners, and kettle calcining systems to pneumatic conveying, storage, mixing, packing and dispatch systems, gypsum producers can rely on Claudius Peters.

We instil a real ethos of quality and care into our organization all the way down the line. We carry out feasibility studies covering areas such as plant and raw material evaluation; we supply process systems including instrumentation and control for the entire production process and we can carry out and advise on the modernization of existing facilities to meet specific client, as well as regulatory, needs. Claudius Peters is the complete package, giving you the complete solution.

Alumina and Aluminium

Claudius Peters' role in the world of alumina processing is based upon total ecological awareness coupled with products that are as competitive as they are reliable. Our expertise in stockyard systems, grinding mills, pneumatic conveying and storage and dispatch systems means we are able to develop systems that benefit our customers and the environment.

The Claudius Peters FLUIDCON system benefits from a lower velocity and less power consumption. Our anti-segregation silo system has special mixing (ring) chambers for continuous grain size distribution and optimum discharge out of the alumina silos, and our Alumina Distribution System feeds the alumina to the pot room. These are just some of the innovations that are redefining what is possible within the industry.



Business Areas



Fly Ash and Coal Handling for Power Plants

With one eye on the future, Claudius Peters is renowned for developing coal handling equipment and low energy systems for fly ash handling which are reliable with lower maintenance costs and higher availability.

We provide a number of technologies from stockyard systems, direct firing mills, dosing and injection systems, pneumatic conveying, dry blending to ash conditioning, and storage. We have developed trendsetting concepts with high efficiency, low energy demands and advanced safety technology – our vision and expertise not only keeps us on the cutting edge, it keeps our clients one step ahead of the competition and compliant with ever changing legislative measures.

We are one of only a few engineering companies handling storage and transport of all bulk materials – from coal or bio-solid fuels to ash and related products.

Iron and Steel

Claudius Peters global impact continues to strengthen. In Italy, for example, we have installed the world's largest pulverized coal injection plant, where five injection stations supply 6000 tons per day of pulverized coal into four blast furnaces. With installations across the globe, Claudius Peters continues to be a market leader.

As well as world-leading PCI systems, we design and supply complete materials handling and injection systems for solid fuels in the iron and steel industries, including PHB Someral stockyards and Claudius Peters coal mills.

A real commitment to innovation and excellence



Individual Techniks

Claudius Peters successfully bring together several technologies to offer clients the convenience of placing a single contract with an organization that is able to project manage and provide process knowledge all the way down the line from initial design, through to supply, installation and commissioning.

No-one works harder to keep our clients ahead of their field, our knowledge of grinding and pneumatic conveying over long distances, silo storage expertise with precise measuring and coal dosing technology in the steel industry, are just a few examples.

Stockyard Technik

Claudius Peters expertise in stockyard materials handling has been gained in over a hundred installations worldwide across a wide range of bulk materials, capacities and configurations. Incorporating the know-how of PHB Someral, France, we can offer reliable, state-of-the-art, bulk handling systems for stacking and reclaiming a host of dry bulk materials including cement raw materials, coal, wood-chip and fertilizer.

Our systems can handle a wide range of different stacking and reclaiming configurations and offers the potential for capacities ranging from 50 tonnes per hour to over 1,500 tonnes per hour at high stockpile spans.



Techniks

Individual Techniks



Pneumatic Conveying Technik

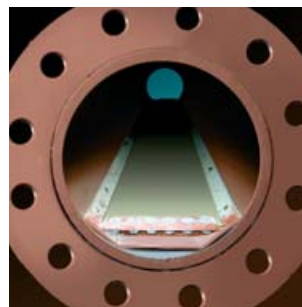
As one of the world's leading names in the supply of systems and equipment for the pneumatic transport of dry materials in large quantities, you would expect us to know a thing or two about innovation, and you would be right.

For example, there is the legendary Claudius Peters 'X-pump' and 'Aeroslide' devices that have revolutionized pneumatic conveying and FLUIDCON, a conveyor pipe that offers the advantages of pneumatic conveying, but uses considerably less energy.

With over 80 years experience in the field, Claudius Peters' Pneumatic Conveying Technik encompasses a broad spectrum of industry. Literally thousands of materials have been tested at our headquarters Technikum (Technical Centre) in Germany, and the company continues to evolve, to innovate and to push the boundaries of what is possible from our systems.



Literally thousands of materials have been tested in the Technikum



FLUIDCON

Techniks



Silo Technik

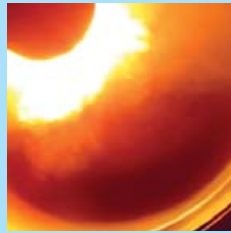
Our groundbreaking technology is also prevalent in high capacity bulk storage and mixing silos. If you have higher capacity requirements, typically from 5,000 to 50,000 tonnes for free flowing bulk solids materials, Claudius Peters Technologies excels.

For materials such as cement, lime, gypsum and alumina Claudius Peters supply a wide spectrum of silo types taking into consideration the characteristics of the material such as flow and storage conditions.

Whatever specification you require, we will draw upon our vast knowledge of different bulk materials and silo designs to deliver the optimum solution that will perform efficiently every time.



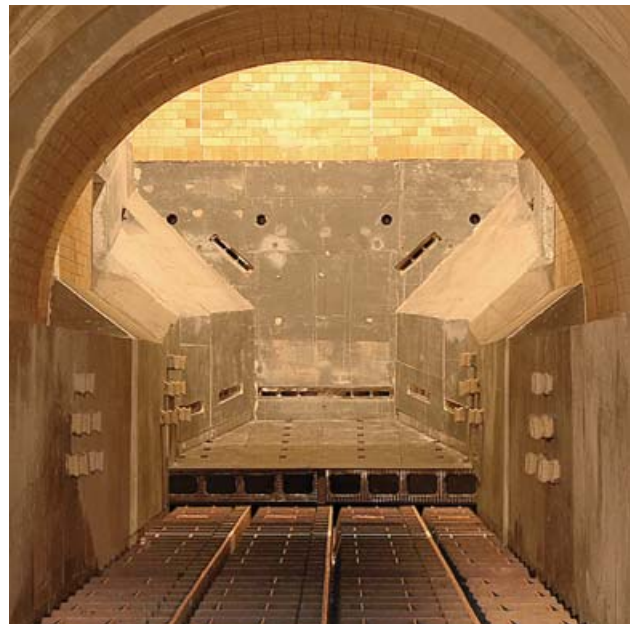
Individual Techniks



Clinker Cooling Technik

With over 600 Claudius Peters Clinker Coolers commissioned around the world, you could say that our reputation speaks for itself. We were there at the beginning, and today, nearly 60 years later, we continue to innovate to keep one step ahead of the rapidly evolving cement industry. For example, the first Claudius Peters cooler had a capacity of 500 tonnes per day; today, Claudius Peters builds systems with capacities of up to 13,000 tonnes per day.

Claudius Peters' knowledge and experience of hot clinker handling and processing is unsurpassed. Take for instance our ETA (η) Cooler totally encapsulates the evolution of clinker cooling in one complete system. With its unique transport system, based on the proven 'moving-floor' system, this cooler is quick to install and gives users lower operating costs and extremely high reliability.



*We don't just try and keep up with evolution -
we initiate it*

Techniks



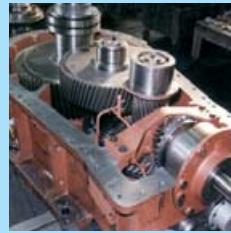
Packing and Dispatch Technik

Claudius Peters supply some of the highest capacity bagging systems available in the world today. Working together with our clients, we have developed systems capable of packing up to 4800 x 50 kilogram bags per hour on a single line – 4800 bags per hour that's over 240 tonnes!

Typical systems include feed and storage equipment to the packer, rotary packer with empty bag applicator, bag handling equipment and bag palletizer. Bulk and bagged dispatch automation systems are also available, these allow the loading of a product to be fully or semi-automatic and ensure a high degree of accuracy.



Individual Techniks



Grinding Technik

Claudius Peters is widely acknowledged as one of the foremost authorities on coal and mineral grinding technology. With knowledge gained in over 700 applications of our famous "EM" ball ring mill, we offer reliable solutions for the most extreme processing challenges.

Designed without bearings or lubrication points inside the grinding section, the EM mill remains the simplest, most reliable means available for fine grinding coal and a number of other minerals. Up to 50,000 service hours can be achieved from a single set of grinding elements. Closely coupled to grinding in a number of mineral processes, is calcining. Claudius Peters combines the grinding and calcining processes in a single modified version of the EM mill - a combination that has become an industry standard in certain mineral processes.



We offer reliable solutions for the most extreme challenges.

Techniks



Calcining Technik

Claudius Peters can be your full line supplier for your gypsum processing system. The key component of this system is the calcining plant, where Claudius Peters supply a range of calcining systems customized for each application. A Claudius Peters EM Mill is at the heart of a gypsum processing system, combining the functions of grinding, drying, calcining and classifying the gypsum in one unit. For fine raw materials such as synthetic gypsum sources the Horizontal Impact Calciner allows direct calcining without grinding. The Claudius Peters Homogenizer, provides better plaster quality whilst the Claudius Peters Rotary Drum Cooler will cool the product from calcining temperatures to required product temperatures for further handling.

We can also accommodate separate calcining operations for high temperature applications producing anhydrite gypsum with our flash calcining process or kettle calcining systems for specific plaster systems. This calcining and grinding process know-how linked with other Claudius Peters product lines such as stockyard systems, pneumatic conveying and dispatch systems provides a "one stop" capability.



Claudius Peters Calcining Plant



Claudius Peters Homogenizer

Global Competence

Claudius Peters stays as close to their clients as possible, maintaining contact and developing long-term fruitful partnerships. Claudius Peters subsidiaries provide regional support for sales, project management and aftermarket services. A worldwide network of distributors and representatives augment these Claudius Peters' companies. This global coverage enables Claudius Peters to offer the same high standards of service throughout the world.



Our Network stretches far and wide



Headquarters Technikum

Research and development is really the ultimate safety net as all Claudius Peters' technology has an inherent reliability that gives our clients real peace of mind. At our Technikum (Technical Centre) in Germany, you'll find the most vigorous trial and testing facilities imaginable; every new application is fully evaluated before proceeding to full-scale plant; application problems, engineering data, risk analysis and quality controls are all part of the programme undertaken. Combine this with numerous courses and training seminars for technical staff and plant managers and ongoing research into energy efficiency and cost saving and you have a facility where quality is a way of life.

Regarded as one of the most comprehensive facilities of its kind anywhere, the Technikum building also houses a permanent exhibition of Claudius Peters key technologies to take you on a journey through engineering excellence.



The Claudius Peters Technikum (Technical Centre) houses a permanent exhibition of key technologies.

After Sales Support

Our philosophy is that once we have handed over the equipment – we remain responsible for that equipment for the entirety of its life. Our good name hinges on how our technology performs, so we make a promise to keep that technology performing as well years down the line as it did on the very first day of installation.

Our aftermarket group not only installs or supervises installation, but also provides long-term facilities management. We offer an optimum maintenance regime throughout the life of the plant, supported by comprehensive spare parts availability which can be conveniently accessed either directly from our technologies centres or via our regional offices, worldwide.



CALCINING | COOLING | DISPATCH
DOSING | DRY BLENDING | DRYING
GRINDING | PACKING
PNEUMATIC CONVEYING
PULVERIZED FUEL SUPPLY
SILO SYSTEMS
STOCKYARD SYSTEMS
ALUMINA HANDLING SYSTEMS
MARINE POWDER HANDLING
TURNKEY PROJECTS



Technology you can trust

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