



KILN CAR CLEANING SYSTEM



Aerial View of LINGL LUK Premises

LUK – Your Solution Provider

LINGL UK is an integral part of the LINGL group of companies, offering reliable, high quality products, workmanship and after sales service to its customers. The company is well known and established within the clay and refractory production industries.

In 1964 Hans LINGL (UK) Ltd. was set up in Congleton, Cheshire to enhance accessibility of LINGL GmbH Co. KG Germany in Great Britain and other English speaking markets.

Since then LINGL UK (LUK) has grown and become a leading company with its own image having established itself as the centre of excellence in the design and manufacture of many key products within the LINGL portfolio.

LUK – here to help

LINGL meets your demands with LUK in Great Britain. LINGL UK's qualified and co-operative contacts will be able to answer all your questions locally. Additionally LINGL UK can supply you with the complete LINGL product range for the brick industry from its base in Congleton

LUK – fast 24/7 service – support with team spirit

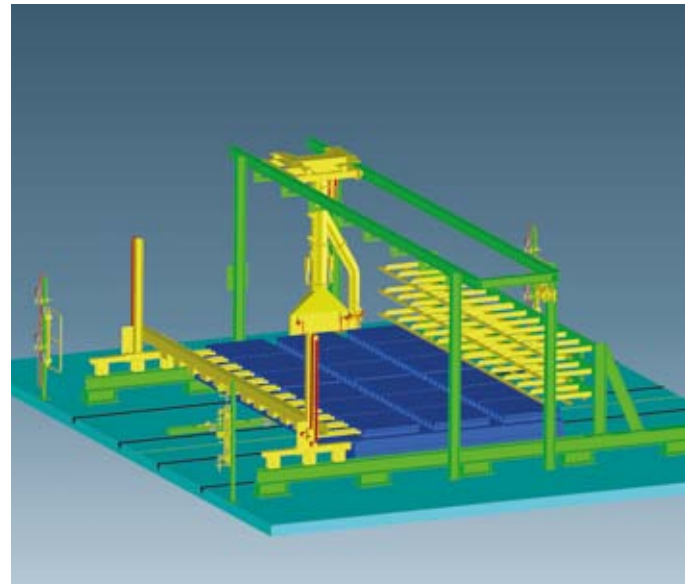
Choosing a LINGL installation also means choosing first class service. Our latest development gives you access to our service team 24 hours per day, 364 days per year by phone – ready to assist. Think of our service team as an addition to your team. Why not let us produce a customised spare parts package or maintenance schedule for your installation, ensuring utmost production reliability and efficiency!

LINGL-Kiln Car Cleaning System

LINGL is the turnkey provider in the ceramics industry. In order to live up to this claim LINGL develops and manufactures key components in-house for all essential stages.

Continuous kiln car maintenance is of crucial importance in the ceramics production. It ensures a smooth production flow and contributes substantially to the value retention of the rolling stock.

LINGL offers its own kiln car cleaning system for this important step in the process. The design ensures an easy adaptation to the individual and varying kiln car designs.



3D Layout



Suction Nozzle for Brick Production

Functionality

LINGL offers two basic types of cleaning systems depending on the type of production.

1. Kiln car cleaning with single plateau suction
2. Kiln car cleaning including a lifting device for the kiln car draft blocks and a double cleaning function

In designs where kiln firing takes place below the plateau the support blocks are lifted in addition to the draft blocks. All cleaning systems have been equipped with special jet nozzles to ensure thorough cleaning of the sealing blocks on the side of the kiln cars; this will increase the lifetime of the kiln labyrinths. The control system complies with

the valid EN standards. It gives direct access to the machinery functions with a Touch Screen Control Unit and standard controls. The cleaning system has CE-marking for the European as well as UL-certification for the American market.

The installed suction system meets the requirements of the current dust loading regulations. Each installation is supplied ready to use and is equipped with a cyclone suction unit, which will separate dust and particles. The self-cleaning process of the suction filter is achieved with a counter flow system; the user can opt for either bag or cartridge filters.



Machine for Roof Tile Production



Suction Nozzle for Roof Tile Production

Advantages of the LINGL-Kiln Car Cleaning System

- Increase in production output and quality by providing well maintained and level car plateaus
- Increasing lifetime of the refractories by cleaning the kiln cars on a regular basis after each cycle in the kiln
- The fully automated system reduces time and effort compared to manual maintenance
- Fully compatible with the LINGL – machinery control system MBV, which is based on Siemens Simatic S7-Hardware (other control systems are available as an alternative)
- The LINGL-Kiln Car Cleaning System can be integrated into existing kiln car transport systems from other suppliers without causing disruption
- As with all LINGL-solutions, system maintenance is carried out by the reliable LINGL-Service Team worldwide



Lifting Device for Draft Blocks



Cyclone Suction Filter

LINGL LUK – YOUR SERVICE PARTNER

In view of our long tradition as a plant engineering manufacturing company we are conscious of our obligation to bring together both innovation and experience. From that we derive our ambition to provide comprehensive services and the very best in service quality.

Machinery and factory systems are becoming increasingly more complex, subjected to be used at full capacity, with systems being pushed to their limits. This increases the demands for a dependable and competent service partner. Today, a service partner is much more than just a spare parts supplier.

LINGL LUK has considered client's needs, enabling it to clearly define its service portfolio to cater for your requirements and is unmatched in the industry.

When experience counts: LINGL LUK – Your Service Partner

The table below outlines all of the services we offer. We offer bespoke, customised services to individual sites and will work alongside each customer to maximise the best value for money.

We will put together training packages to suit your shift patterns and do in house training at your facility using your machines.

Our maintenance packages can be quoted to your specific needs, and detailed reports along with photos supplied on conclusion of work carried out.

We can also assist you with your maintenance planning and give you spare parts quotes for items that are identified as being a potential problem.

Let's work together to improve efficiency, production and longevity of your machinery.

Services		Products				
		Kiln Car Transport	Kiln Car Controlling	Strapping Machine	Label Applicator	Kiln Car Cleaning
Spare Parts Service	Spare and Wearing Parts	✓	✓	✓	✓	✓
	Spare Parts Packages	✓	✓	✓	✓	✓
	Repair Processing	✓	✓	✓	✓	✓
Inspection, Maintenance & Repair	Machinery and Equipment	✓	✓	✓	✓	✓
	Maintenance Management	✓	✓	✓	✓	✓
Condition Monitoring	Vibration Diagnosis	✓	✓	✓	✓	✓
	Compressed Air Leakage Localization	✓	✓	✓	✓	✓
	Remote Service	✓	✓	✓	✓	✓
Plant and Process Optimization	Modernization & Upgrades	✓	✓	✓	✓	✓
	Safety Consultation	✓	✓	✓	✓	✓
General Services	Service Agreements & 24 h Service	✓	✓	✓	✓	✓
Training at your facility on your equipment	Siemens S7 Robotics Drives	✓	✓	✓	✓	✓
	Electro / Mechanical	✓	✓	✓	✓	✓

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