

Company presentation

LTC - Lufttechnik Crimmitschau GmbH

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Gewerbering 24

08451 Crimmitschau

Branch

Plant engineering

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Dedusting system for waste incineration and processing

1 Introduction

LTC - Lufttechnik Crimmitschau GmbH is a medium-sized company in the mechanical and plant engineering sector.

LTC manufactures ventilation systems for air pollution control and air conditioning for public buildings as well as for industrial buildings.

Furthermore, LTC manufactures containers, tanks, special apparatus for the chemical and pharmaceutical industry as well as for the related areas of the food and feed industry.

The products are 100% manufactured individually.

LTC - Lufttechnik Crimmitschau GmbH currently employs about 50 people and 1 trainee.

The annual turnover is between 5 and 6 million euros.



Bomb Disposal Chamber

The customers of LTC Lufttechnik Crimmitschau GmbH benefit from:

- ⇒ many years of experience in ventilation and pressure equipment construction
- ⇒ a wide range of production
- ⇒ high quality of products
- ⇒ flexible order processing
- ⇒ design and planning services from a single source
- ⇒ customer-specific solutions
- ⇒ assembly of the planned and manufactured systems.



Dust collector

2 History

LTC - Lufttechnik Crimmitschau GmbH was founded in 1919 as Gustav Krause Apparatebau. On 01.10.1992 LTC Lufttechnik Crimmitschau GmbH was newly founded with its registered office in 08451 Crimmitschau, Gewerbering 24.

In 1995, a new production hall and an administration building with a social wing were built at the headquarters of the newly founded company.

In 1998, 2001, 2007 and 2008, the production facility was extensively expanded by adding three production halls and a warehouse.

Production takes place in production halls with a total floor area of 2,000m².

In 2011, the production facility was supplemented with an adjacent outdoor warehouse of 1,500m². The outdoor warehouse was paved with asphalt in 2015.

3 Qualifications and approvals

LTC – Lufttechnik Crimmitschau GmbH has the following qualifications:

- ⇒ HP0 – Approval according to AD2000
- ⇒ Approval according to DIN EN 13445
- ⇒ Welding operation according to DIN EN ISO 3834-2
- ⇒ Specialist company according to §19 I WHG
- ⇒ Manufacturer qualification according to DIN EN 1090 EXC2 for steel and aluminum.
- ⇒ Manufacturer qualification acc. to DIN 2303 (Q1, Q2, BK1)



4 Manufacturing capabilities

Containers, tanks, silos, apparatus and components for ventilation systems can be manufactured in the following parameters:

- maximum diameter 3,500mm
- maximum length 12,000mm
- maximum unit weight 10,000kg.

Unalloyed, heat-resistant, alloyed or high-alloy steel can be used as material. The version in nickel or titanium alloys is also possible.

Wear-resistant steel and aluminum can also be processed.

The production is separated according to the materials to be processed in stainless steel and carbon steel.

The LTC has:

- Equipment for sheet metal and profile processing such as:
 - ⇒ bending bench
 - ⇒ round bending machines
 - ⇒ crimping machines
- Blasting machines for stainless steel and carbon steel
- Coloring booth
- Plasma cutting system (2 m x 4 m)
- Laser cutting machine with shuttle table (2 m x 4 m)
- TIG / MIG / MAG / E welding machines
- Plasma welding system for steel, stainless steel and aluminium
- Gantry cranes up to 10 tonnes.



Housing for heat exchangers, made of highly heat-resistant stainless steel

5 Products and services

The production of LTC - Lufttechnik Crimmitschau GmbH is divided into the following product categories:

- filter systems for the separation of air pollutants (dusts, gases, smoke)
 - ventilation and air-conditioning systems for industrial and social construction
 - exhaust air scrubbers, biofilters and activated carbon filters
 - container
 - tanks, silos
 - special process engineering apparatus
 - stainless steel processing.
- ⇒ Ventilation, dedusting and sound insulation systems as well as exhaust air systems
- Ventilation and dedusting systems are used for the air conditioning of rooms or for the extraction, separation, drying or disposal of industrial media.
 - Soundproofing systems are used to reduce noise generated by the operation of machines or industrial plants.

- For the purification of exhaust air from a wide variety of sources, such as dryers, exhaust air scrubbers, which can be designed as water or chemical scrubbers, as well as biofilters are manufactured.
- The advantage of LTC Crimmitschau is the independent development, production, assembly and maintenance of complete systems. This means that the customer receives all areas of product development and commissioning from a single source.

⇒ Containers, tanks, silos and special equipment

- Containers and tanks are used for separating, collecting or storing chemical or pharmaceutical substances, feed or food. The special apparatus includes silencers, separators, dosing screws and coated containers.
- The equipment as well as the location of LTC Lufttechnik Crimmitschau GmbH allow the production of containers, tanks, silos or special apparatus up to a diameter of 3.5 meters in one piece.
- The requirements for the surfaces that come into contact with the medium, such as coating or electropolishing, are realized in cooperation with appropriate specialist companies.

- Thanks to its well-trained engineering and technical staff and many years of experience in apparatus construction, LTC Lufttechnik Crimmitschau GmbH has the prerequisites to realize the special equipment according to the requirements of its customers.

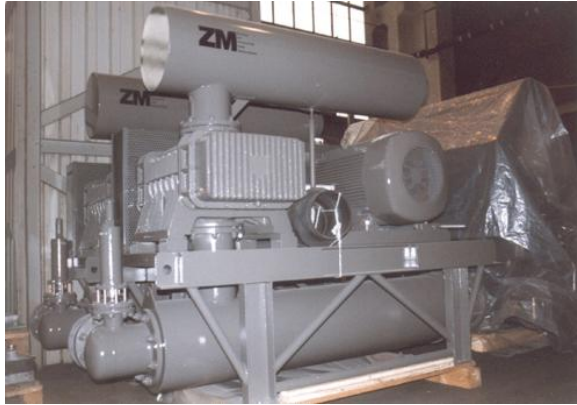
⇒ Service

- The service of LTC – Lufttechnik Crimmitschau GmbH includes the independent delivery of components as well as complete systems.
- For a professional installation of the systems, LTC offers the on-site assembly of the components and complete systems by its own fitters.
- After installation and acceptance of the systems, the necessary maintenance and repairs can be carried out in the area of after-sales service. For this purpose, the company is able to offer maintenance contracts tailored to the respective system.
- Even without concluding contracts, the company supplies its customers with original spare parts throughout the entire life cycle for systems manufactured and erected in-house as well as for equipment from competitors.
- Conceptual consulting and constructive design of ventilation and air-conditioning systems, filter systems and apparatus

The following products are also part of our program:

- pressure- and pressure shock-resistant plant components
- Pipeline components such as transition pieces (from Ø100 to Ø2500 mm)
- Cyclones
- Tubular spark separator
- Filter housings for industrial applications as well as for the food industry
- Steel construction such as stages, ladders, stairs
- Discharge screws
- Flex Flap Systems
- Silencer
- Throttle valves, mechanical, motorized and pneumatic
- Oscillating discharge trays
- Double pendulum flaps, mechanical or motorized
- Big-Bag - Stations
- Bag loading stations
- RTO Plants
- Exhaust air scrubber
- Biofilter
- Activated carbon filter

6 References



Intake and exhaust silencer for compressor



Fuel oil tank



Dosing screw



Filtration systems for
foundry dusts



Distillation apparatus



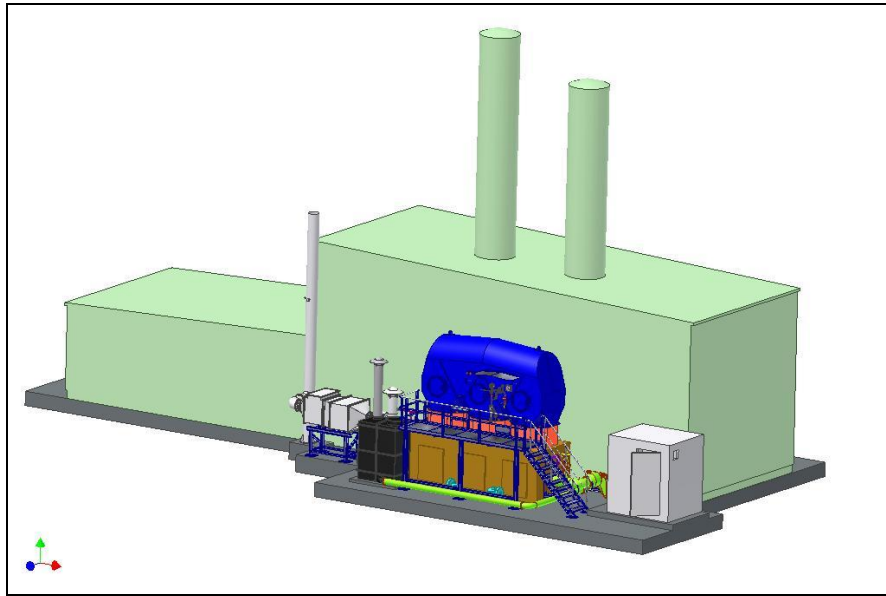
Stainless steel machining



Dust collector for bulk cargo loading in the port of Fremantle



Stainless steel container



Planning of the 3-chamber RTO system



realized RTO system





Exhaust air scrubber with biofilter