



CDLPRÄZISIONSTECHNIK
Precision for all lines of business



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CDL - Präzisionstechnik GmbH & Co. KG

is a young and innovative company with its main office in Mönchengladbach.

The company was established in 2002 by Claus Dieter Landolt.

CDL - Präzisionstechnik offers a complete range of services for the production of mechanical series parts and assemblies to customers working in the fields of engineering, utility vehicles and agricultural and textile industry as well as medical technology.

In addition to metal cutting precision processing we also take care of your unmachined parts procurement and added value in the further process chain, such as heat treatment, leak testing, surface coating and mounting of assemblies. Today, about 70 employees are working in a production area of more than 6000 m² in a 3-shift-system and with more than 30 CNC machines with 4 or 5-axis processing for high-speed and complete machining.

The dimensions of the processed components range from the size of a matchbox to the size of a Smart car.

In the near future CDL-Präzisionstechnik will also offer multi-layer wet painting in its own paint plant.

Modern CNC production technologies and logistic concepts, but also experienced and committed employees are the most essential reasons for CDL- Präzisionstechnik being able to prevail over fierce low- wage competition.

We regard ourselves as the troubleshooter
in the development and implementation
of complex processing and logistics concepts.

Test us!

Competent Advice

and quick-response service

Being specialised in serial production with state-the-art CNC-machine tools

is, apart from high quality standards and a strong supply performance, one of the core competences that lay the foundation of success. Just-in-time production, for example, reduces the customer's inventory costs, whilst CDL-Präzisionstechnik cares for the flexibility.

As a partner for innovative production CDL- Präzisionstechnik puts emphasis on a fair dialogue with its business partners as early as the design stage of new components. It begins with a detailed consultation regarding the design suitable for construction. Proposals aim at simplifications, standardisations and process capabilities of future treatments and are tested as to their feasibility and benefit by means of three-dimensional simulation programmes. This enables reduction of future unit costs in the design phase already. The computer-assisted design of required tools and devices at the CAM workplace is performed with a focus on functionality.



Experienced design engineers tailor the clamping concept to the functional, casting and productional requirements. Successful and failure-free simulations of treatment processes in this area are further preconditions for the subsequent production of this special equipment.

Quality is the measure of all things

Quality capacity is of utmost priority for CDL-PRÄZISIONSTECHNIK:

An air-conditioned precision room as well as state-of-the-art and precise measuring and test facilities provide the technical basis for the geometric evaluation of produced components in tolerance ranges of just few thousandths of millimetres. Precision is measurable indeed.

In order to obtain exact results of the produced precision parts, we only use the most recent and high-precision measuring and test machines.

Our competent specialists for quality assurance record maximum precision with state-of-the-art measuring techniques. Only precision parts that are thoroughly tested will leave our factory.

A lived and consistent culture of quality on all company levels is the essential maxime that we act on. All employees are responsible for the quality of their respective work. In the frame of a continuous business development the quality capability of the whole organisation is being continuously developed.



Certification

The capability to quality is checked at regular intervals by internal and external audits. CDL-Präzisionstechnik is certified according to DIN EN ISO 9001.

Additionally, CDL-Präzisionstechnik also obtained a manufacturer-related product qualification for the production of safety components for railway vehicles according to DB AC-EBN 918058



Processing of orders with a contemporary ERP System



Be it orders, delivery schedules, or target output figures:

The demand for components over a certain period of time is recorded in an ERP system.

Using these target figures, secondary parts are ordered at the appropriate point of time or production orders are generated with capacity orientated scheduling.

The fine control of orders is supported by a graphic planning table.

Incident reports, such as the completion of a production stage, are promptly signalled via barcode by the production equipment.

In weekly production conferences all orders at hand are discussed as to their adherence to schedules.

In the rare event of a delay, appropriate measures are taken immediately and efficiently.

CDL - Präzisionstechnik aims at providing maximum security of supply so that customers can refrain from keeping safety stocks to reduce their own contingency risks.

CDL - PRÄZISIONSTECHNIK

OFFERS PROJECT SOLUTIONS FOR YOUR BUSINESS TOO



COMPLETE machining

IS THE KEY

True to this motto CDL - PRÄZISIONSTECHNIK applies state-of-the-art technologies.

A single work step suffices to manufacture "turning, drilling and milling parts".

Integrated measuring and tool monitoring systems support the unvaryingly high quality and with a minimum of throughput times make the supervision of machining almost redundant and thus "personnel cost efficient".

With 5 axes from 5 sides: COMPLETED!

Housing components of various materials and a weight from a few grams to up to 2.5 t can be manufactured completely

in single or double-spindle CNC processing centres,
in many cases without the necessity of reclamping.

The integrated high-efficiency machining results in the best possible precision and profitability of the component.

Making additional work steps redundant leads to a reduction of wait and queue times.

Your advantage as customer: shortest delivery periods.



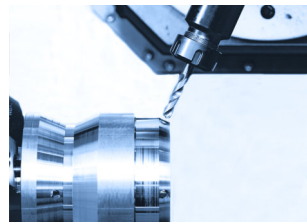
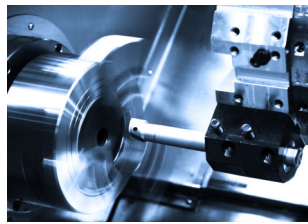
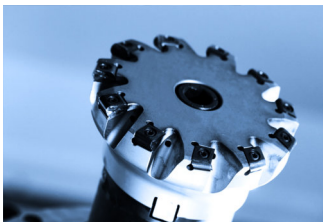
CNC - HIGH - EFFICIENCY IN THE TECHNOLOGIES OF

MILLING

TURNING

DRILLING

GRINDING



RESPONSIBLE COMPONENT MANAGEMENT ON BEHALF OF THE CUSTOMER

- Procurement and provisioning of unmachined parts and accessories according to the customer's material release
- Together with selected partners for heat treatment and surface technology CDL-Präzisionstechnik offers the whole range of added value for components from a single source
- Quality management according to DIN EN ISO 9001
- Manufacturer-related product qualification MPQ according to DB AG - E BN 918 058 for railway vehicles of German Railways
- Upon the customer's wish we also provide pre-assembled components as well as the required secondary part management.

EVERYTHING FROM ONE SOURCE

- Complete machining of metal housing components, turned and long parts of any material.
- up to 2,000mm x 1,800mm x 1,100mm, cubical, up to 5 axes
- up to a diameter of 750mm and a length of 2,000mm, rotation, with driven tools up to 5 axes
- documented process capability, amongst others with 2 CNC measuring machines 2,400 mm x 1,200 mm x 1,000 mm, contour and surface measuring devices in an air-conditioned measuring room.

RANGE OF PARTS

CDL Präzisionstechnik disposes of all machining technologies for rotating parts, cubical parts and long parts from the size of a matchbox to the size of a Smart car.

ROTATING PARTS

Complex chuck turned parts with integrated drilling and milling treatment

Wave-shaped turned parts up to a length of 2000 mm (with tailstock and steady rest support)

Disc-shaped turned parts up to a diameter of 600mm

CUBICAL PARTS

High-speed machining of aluminium parts

Complex housing components (gearboxes, axes, pumps, etc.) made of grey cast iron, spheroidal iron or cast steel (dimensions up to 2000 x 1800 x 1100mm)

Precision treatment of valve housings or brass fittings

LONG PARTS

Surface or bridge processing of long parts of up to 4m



CDL-PRÄZISIONSTECHNIK

- Precision for all lines of business!



Railway Technology



Mechanical Engineering



Construction Machinery



Compressors



Agricultural Engineering



Textile Machinery



Automotive Engineering

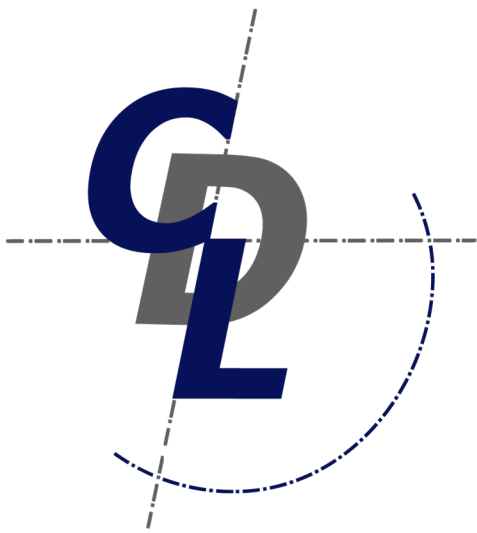


Medical Technology

Convince yourself of our range of services !



A drop of water.
A perfect shape by nature.

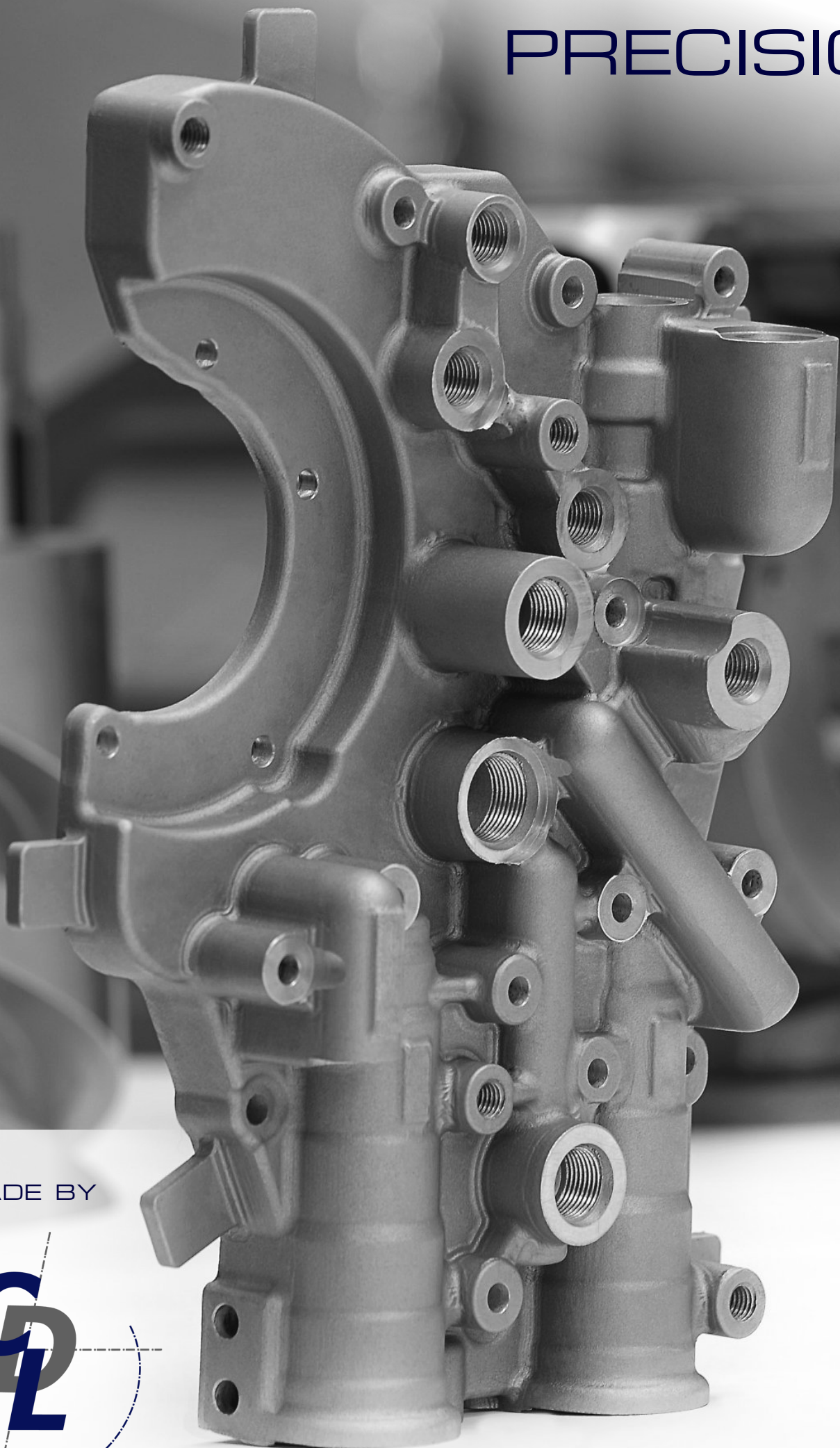


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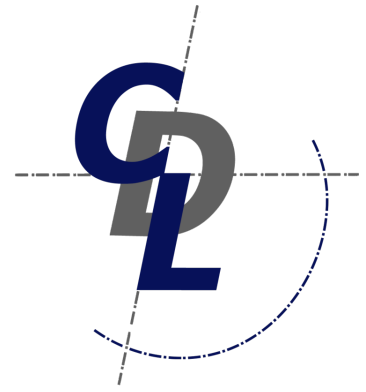
Perfect is just not good enough for us!
We are precise - take us at our word!

PRECISION

MADE BY



Cooperative and long-term
customer relationships



are the cornerstones of our company philosophy.

A selection from the reference list
illustrates the variety of products and services
offered by CDL-PRÄZISIONSTECHNIK.

BIT Analytical Instr. GmbH	Schaeffler AG & Co.KG	CDP Bharat Forge GmbH
Componenta B.V.	Dietermann GmbH & Co KG	Eisengiesserei Karlshütte GmbH
Faiveley Transport Witten GmbH	Oerlikon Leybold	Rademakers Gieterij b.v.
Grohmann Aluworks GmbH, Bisingen	Gusstechnik Schopheim, Grohmann Gruppe	
Ohm & Häner GmbH & Co.KG	Schlafhorst	Georg Fischer GmbH & Co. KG, Mettmann
Novopress GmbH & Co.KG	Georg Fischer GmbH, Leipzig	Rheingetriebe GmbH
Voith Turbo Verdichtersysteme	SMS Meer GmbH	Isselguss GmbH
GHH-Rand Schraubenkompressoren GmbH	Claas Industrietechnik GmbH	

References



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