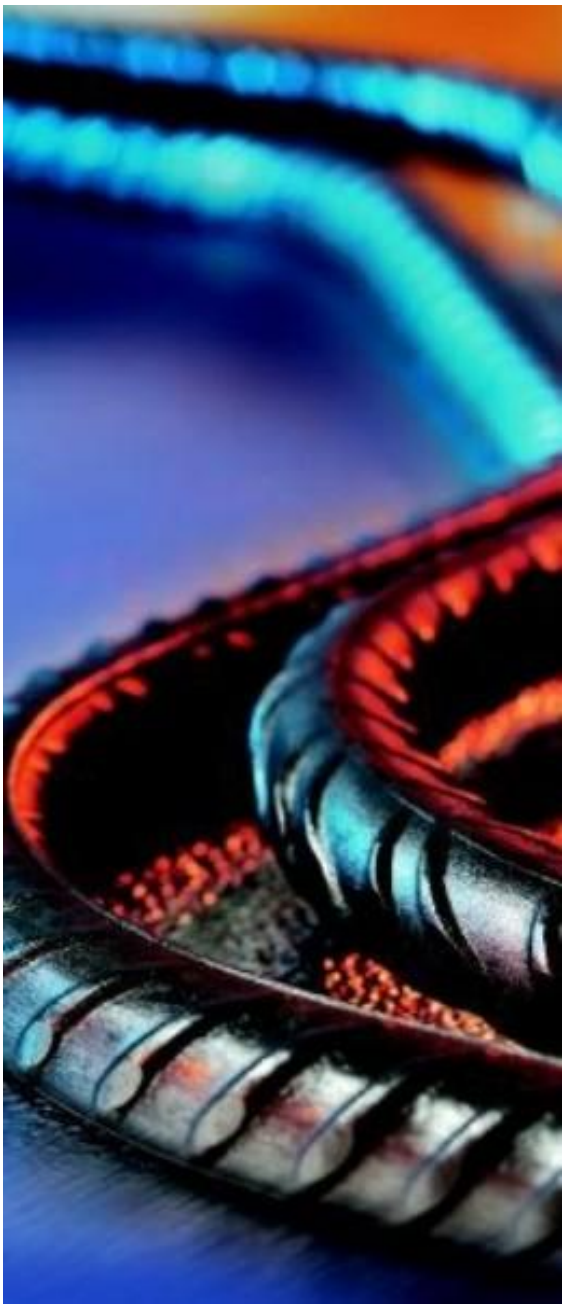
LENNERTS & PARTNER GmbH



LP-SYSTEM

The Software Solution for the Reinforcement Industry

LENNERTS & PARTNER GmbH

The LENNERTS & PARTNER GmbH is a company that has specialized in counselling and development of complete solutions for bending plants. With a team of computer scientists, academically trained engineers and business school graduates and in cooperation with highly qualified specialists of the bending plant business we developed a software that covers the everyday business of the bending plant and the steel trade.

With the help of the bending plant software LP-System and the software for cutting optimization you do not only achieve a higher productivity but also a reduction of the material expenditure in your bending plant by a considerable factor. Therefore it is our concern to make the know-how of LENNERTS & PARTNER that was put in this software also accessible to you. Our support includes the conception as well as the integration of our software systems into your company and the optimal service after the installation by our service team.

The software is constantly developed further in close cooperation with our clients and innovations are passed on as updates. The philosophy of our company is to achieve the highest possible degree of contentedness of our clients. Of course this makes the permanent contact with our clients necessary. Be it through visits of our external duty team, workshops, customer surveys or a short telephone call. Our experience shows that not many software producers care that much for their customers after the installation!

Two really important points are the hotline and the remote maintenance. Under a special telephone number you can permanantly get support concerning problems and questions.
Our hotline staff are not only experts for our software but also know the work processes in the bending plants. More serious problems as they might turn up for exmple after a power failure are solved immediately via VPN-connection or remote desktop access on the server. Through this we have the opporunity to locate possible software defects and to inform your hardware supplier about possible hardware defects in advance.

Thanks to a modular conception the software can be used for bending plants of 1,000 to 200,000 t/year and can be extended permanently. All these factors have allowed us to realize more than 350 installations of our bending plant solution worldwide, so far. We are especially proud that amoung these there are 9 of the 10 biggest bending plants of Germany.

We also installed our Software in

- Abu Dhabi
- Argentina
- Australia
- Austria
- Bahrain
- Belgium
- Bulgaria
- Brazil
- Canada
- China
- Czechia
- Denmark
- Dubai
- Faroe Islands
- Finland
- Germany
- Hungary
- India
- Israel
- Ireland
- Italy
- Latvia
- Luxembourg
- Mexico
- Norway
- Poland
- Qatar
- Romania
- Slovakia
- Sweden
- Switzerland
- The Netherlands
- United Kingdom

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LP-System Commercial Part

This module allows you to store and manage drawing data.
All inputs required for a building project can be made very easily.
The bending forms can be created by the user himself at any time very easily. Concerning the differences in dimensions the user can decide if these are to be calculated automatically or manually.
All position data are separated according to production data and sales data.

In the menu „printing output“ you have the oportunity to print the following documents:

- delivery notes
- steel lists
- mesh lists
- accessories lists
- tags

There is the opportunity to communicate with external systems via an import/export-interface.

LP-System Technical Part

The Technical Part was developed in close cooperation with our clients and the help of current data from bending plants of different sizes and structures using the graphical user interface Windows 95 and Windows NT. The system allows you to answer ever recurring questions for example

- What is the current degree of utilization of the machines?
- When and for which machines does capacity overload occur?
- Which production time has (had) an order?
- Who produced the seperate positions of the orders?
- In which state of production is a certain order?
- Which diameters have I processed in the space of time XYZ in which quantity?
- Which day´s production did I have on day XYZ?
- Is my machine capacity sufficient for the planned production?
- In which state of production is the position?

that turn up in a bending plant. These questions have a big influence on the planning and controlling of the processes in bending plants.
The answers to these questions which give you a permanent overview over the running production are effected with the help of the areas of function of LP-ProdPlan. Only a few, essential of these can be named here:

- Freely parameterizable machine park
- Automatic takeover of data from LP-System Commercial Part
- Takeover of CAD-data according to guidelines of the Bundesvereinigung der Bausoftwarehäuser e.V. (BVBS-Interface)
- Optimized, automatic machine allocation (with plausibility check and sequence optimization)
- Manual correction of the allocations
- Arbitrary opportunity to commission orders
- Monitoring and steering of the capacity utilization of the machines
- Freely definable list print
- User definable release of commissions
- Machine steering
- Production summary via bar code

Additionally the use of bar codes enables you to change the working off sequence even after the planning in the production steering.
The data transfer to the machines takes place via the existing network cables or a serial cabling. Machines of the following producers can be steered by the software:

- BAMTEC
- BETA SYSTEMS

- BVM
- EUROBEND
- EVG
- KRB
- KT
- MEP
- MUBEA
- OEMB
- OSCAM
- PEDAX
- PROGRESS
- REMA
- RMS
- SCHNELL
- SFA
- STEMA

Additional machine steerings for which the necessary interface protocols exist can be carried out on request.
The comfortable bar code summary is supported by the use of industrial computers. The results of this could be used for existing wage and piecework statement systems.

LP-OPTI

The bar optimization LP-OPTI is part of the Technical Part but it can also be used as independent software for the steering of bar cutting automats in which the the positions to be produced have to be entered manually then. Additionally it offers the opportunity - with minor adjustments of the import interface - to optimize data from existing bending plant software (not necessarily LP-System).
Because of its modular conception LP-OPTI can be used for a wide range of bar cutting systems. The following criteria are taken into consideration for the optimization:

- Freely definable machine parameters (boxes plan, attributes of the machine)
- Flexible definition of stock lengths
- Plan- and diameter specific working off of the positions
- Special treatment of graduated lengths
- Cutting tolerances for straight irons and irons to be bend
- Head cut (to level the bars)
- Subdivision into scraps and remains
- Automatic allocation of commission numbers
- Statistics output of the used store lengths (quantity per length and diameter) and the calculated production times

The use of LP-OPTI reduces the expenditure of personnel at the machine (input, manual optimization) so that a higher utilization of the machine is achieved with the same expenditure of labour. The result is that a higher tonnage is produced and the unit wage costs are reduced.

If you have become interested ask for detailed information or, even faster, phone us:

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