

**Dynamic.  
Attractive.  
Excellent.**

**HOMAG**

**Our Processing Center**  
DRILLTEQ L 500 Edition

**YOUR SOLUTION**







## DRILLTEQ L-500 Edition – 6-Side-processing for universal applications

6-sided workpiece processing in just one passage. No matter if drilling, routing or grooving the DRILLTEQ L 500 Edition can combine everything individually. The integrated, dynamic clamping system ensures safe and precise workpiece handling. As standard, the vertical drilling spindles are equipped with our patented spindle clamping system always ensuring an exact drilling depth. As quality „Made in Germany“ stands for tradition, and for us it is an incentive as well as an obligation at the same time.

### YOUR SOLUTION

### MORE: [HOMAG.COM](https://www.homag.com)



DRILLTEQ L 500

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**The Highlights**

- Vertical drilling from top and bottom
- Horizontal drilling in all 4 workpiece edges
- Vertical routing from top and bottom
- Grooving from top and bottom

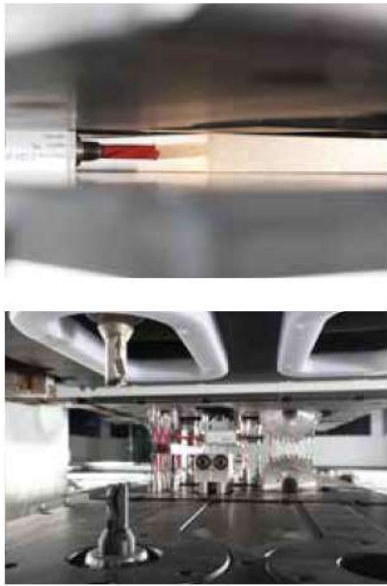
## DRILLTEQ L-500 Edition

Complete processing in just one passage Top, bottom, front, rear, left and right drilling, routing, grooving. With safe, precise, fast clamp workpiece transport.



- 1** Roller conveyor in infeed
- 2** Error-Detection - automatic comparison of ACTUAL and NOMINAL dimensions
- 3** Control Center
- 4** Switch cabinet
- 5** 6-sided processing of workpieces
- 6** Clamping system for safe positioning of workpieces
- 7** Roller conveyor in outfeed





**6 kW Routing unit top and bottom**

- Processing top and bottom
- Milling of shutter grooves or similar
- Additional free space for further routing unit top and bottom
- With hydro-fast clamping system



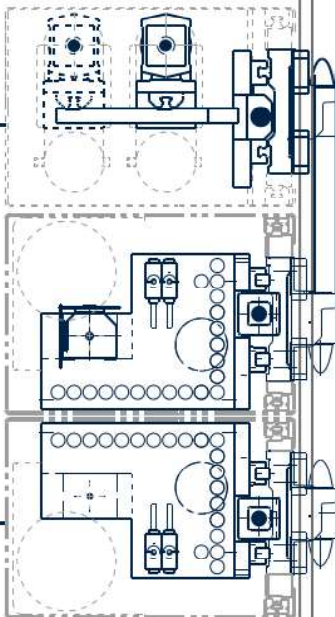
**High-speed-drilling gear**

- 2 vertical drilling heads top and bottom with 20 drilling spindles (individually controlled with variable speed range)
- Horizontal drilling spindles in X- and Y-direction
- Groove cutting heads top and bottom, for processing in X Y direction 90° tiltable

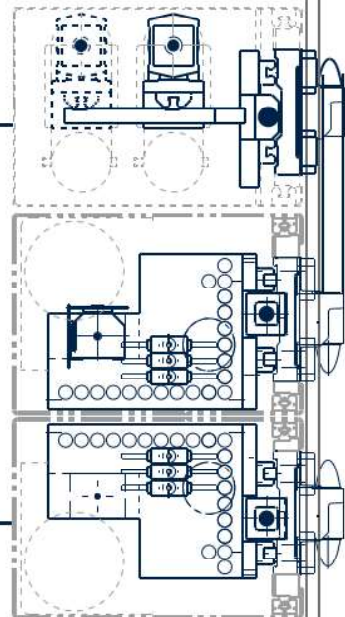
## The equipment of the DRILLTEQ L-500 Edition

**WITH THE EQUIPMENT OF THE DRILLTEQ L-500 EDITION** you are able to perform varied processing operations with one machine.

**Support bottom / observer position from top**



**Support top / observer position from top**



- 96** Spindles
- 2** Grooving saw
- 2** Routing aggregates

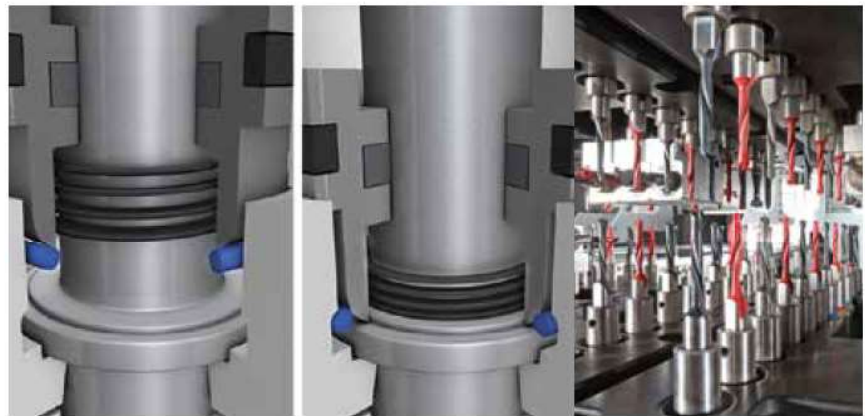


**Unit carrier with central dust extraction**

- Heavy gantry with independently movable unit carriers
- Efficient dust extraction by central extraction channel for all units

**Automatic spindle clamping**

- Patented system
- Always exactly the same drilling depth - regardless of the workpiece
- Continuous quality by high repeat accuracy



**Lateral clamping**

- Lateral clamping of workpieces when processing with a clamping device on one workpiece side



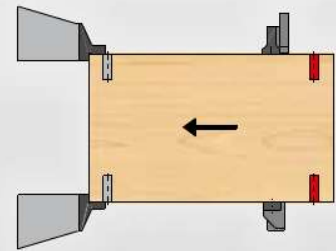
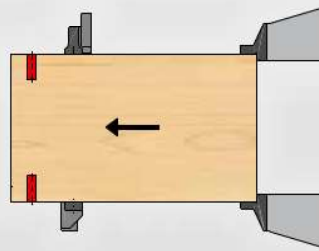
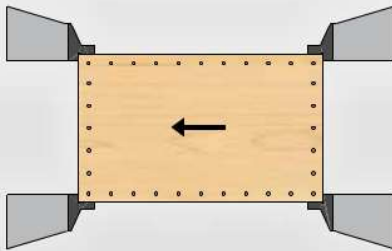


**Workpiece handling**

- Clamping system for safe and precise positioning of workpieces
- The clamping system allows 6-sided processing - also in the edge zone

**The clamping system of the DRILLTEQ L-500**

- Depending on processing, the workpiece is positioned with 4 clamps
- In addition, it is possible to hold the workpiece with 2 clamps. Supported by 2 lateral clamps, all processing options are possible



**Lateral guide for perfect alignment**



**Brush supports**

- Gentle workpiece support
- No scratching during transport





Everything included. Everything on hand.



**Error Detection**

- By the automatic comparison of ACTUAL/NOMINAL dimensions of the workpieces malfunctions and errors are avoided.



**Top pressure**

- Dynamic adjustment of top pressure plate with rack drive

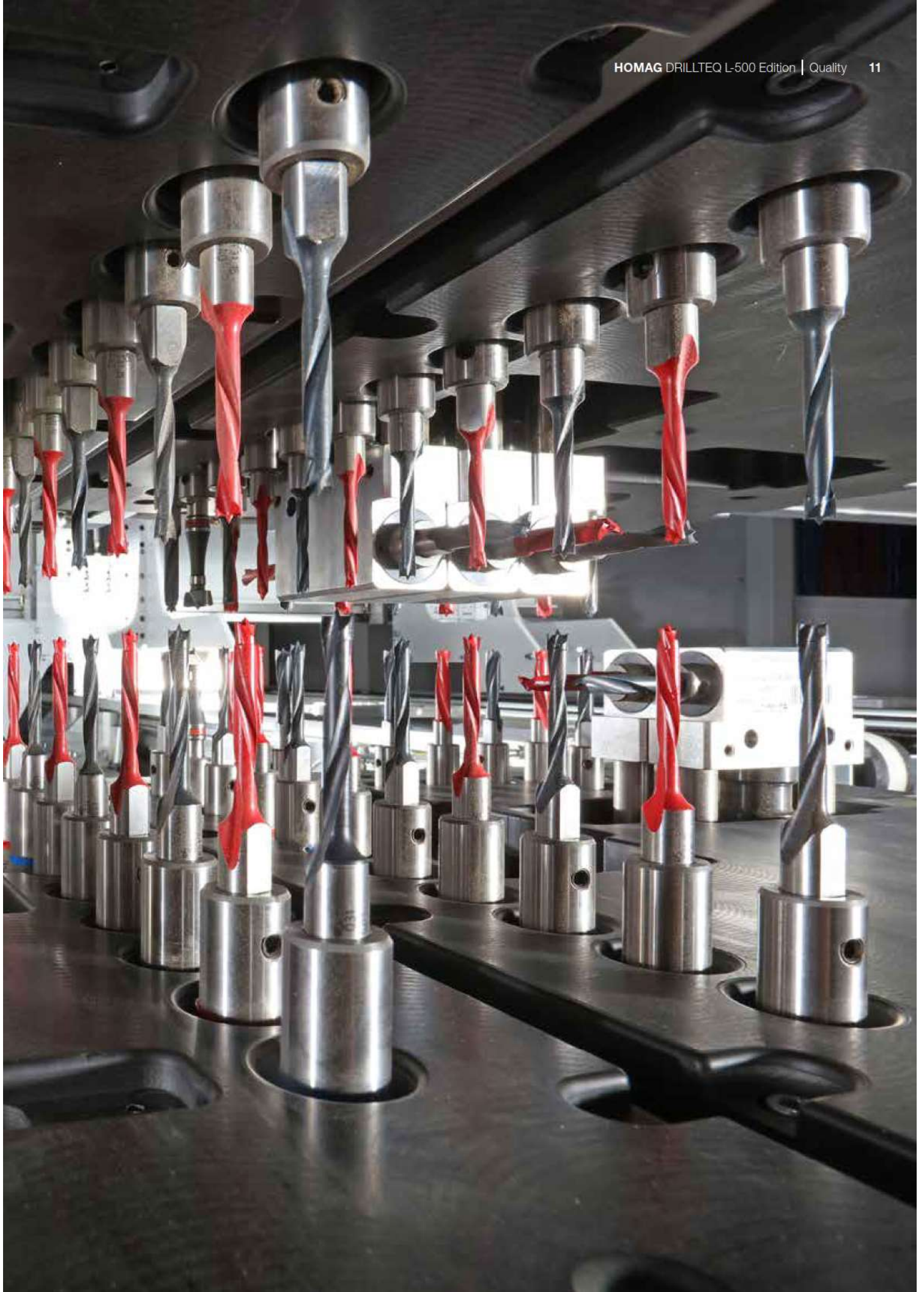


## Solid. Robust. Precise.

### Mechanical engineering "Made in Germany"

- Basic machine with heavy steel welded construction
- Made of high-end components for continuous industrial application





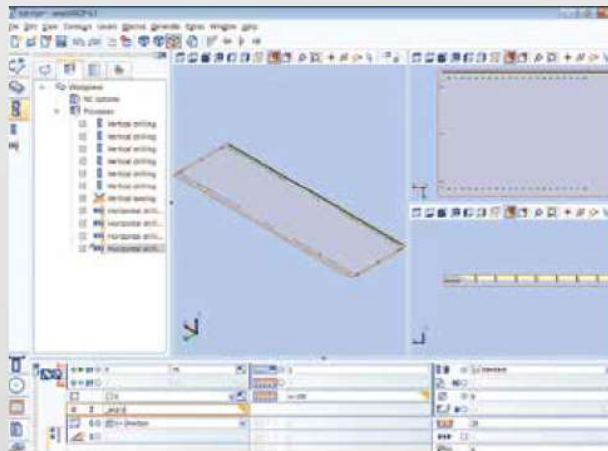
# Software

**WITH THIS SOFTWARE PACKAGE YOU ARE »READY TO RACE«.** You will receive one of the most established CNC-programming systems, the woodWOP software, which has proven itself by more than 30.000 installations worldwide.

**Please use our website.**

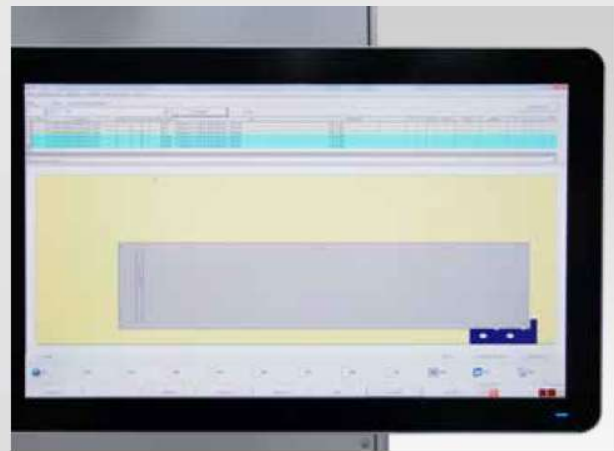
**Worldwide largest forum for woodWOP!**

**Free download of woodWOP-components:  
www.homag.com/Products/software**



### woodWOP

- Worldwide established CNC-programming system – already more than 30 000 installations
- More safety and control in programming by 3D-presentations of all relevant elements



### powerControl with touch screen

- 21,5" Full-HD Multitouch display in widescreen 16:9
- Front USB-interface
- Ethernet connection 10/100 Mbit



### Tool database

- With graphic operator guidance to manage tool data



### Production list software

- For management and creation of product lists for individual manufacturing

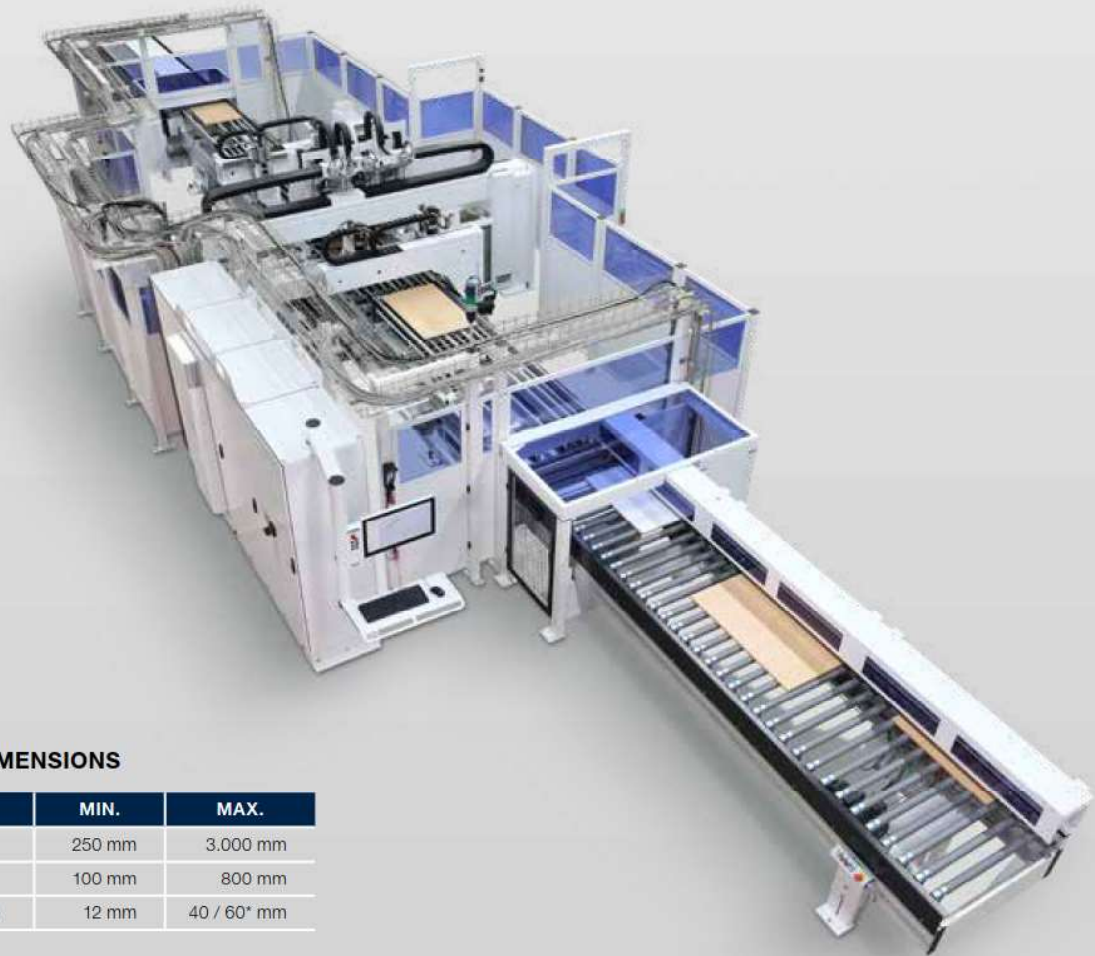
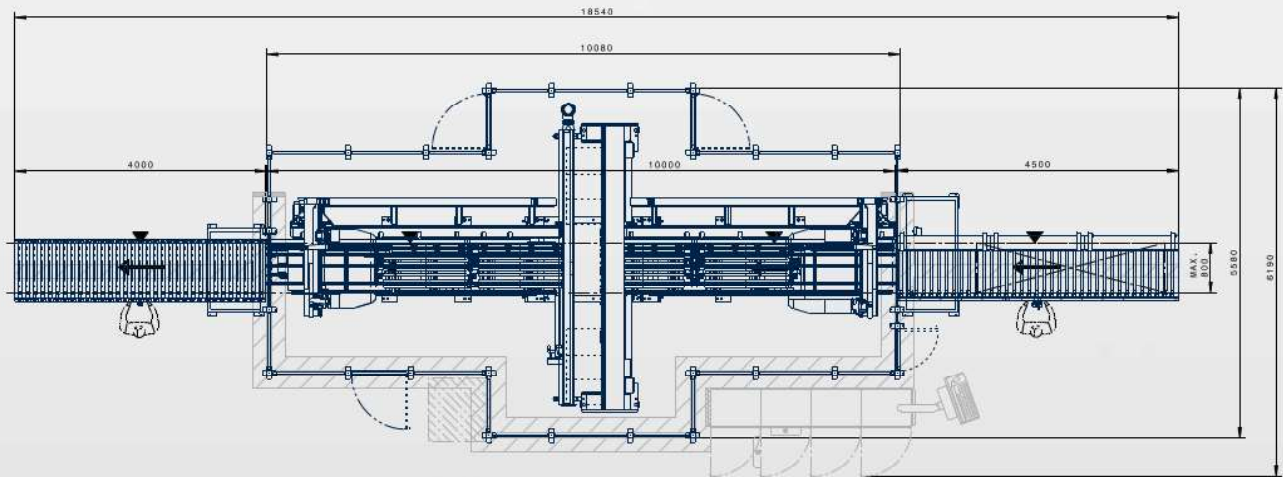


### Machine Data Recording Basic

- Machine Data Recording – collecting and evaluating machine states via time meter and event meter

# Technical data

## Sample layout DRILLTEQ L-500



### WORKPIECE DIMENSIONS

	MIN.	MAX.
Workpiece length	250 mm	3.000 mm
Workpiece width	100 mm	800 mm
Workpiece thickness	12 mm	40 / 60* mm

\* 60 mm on request



## HOMAG LifeCycleServices

The sale of our machines comes with all in optimum service backup and individual advice. We support you with service innovations and products which are especially tailored to your requirements. With short response times and fast customer

solutions we guarantee consistently high availability and economical production – over the entire life cycle of your machine.



### Remote Service

- Hotline support via remote diagnosis regarding control, mechanics and process technology. Thus the on-site service can be reduced by 90 %!
- Mobile applications such as ServiceBoard reduce the costs through fast help in case of troubles by mobile live video diagnosis, online service message and the online spare parts shop eParts



### Spare Parts Service

- Identify, request and order spare parts around the clock via [www.eParts.de](http://www.eParts.de)
- Local availability of parts offered by our sales and service companies as well as sales and service partners all over the world
- Reduction of downtimes through defined spare parts and wear parts kits



### Modernization

- Keep your machinery up-to-date and increase your productivity as well as your product quality. This is how you can meet tomorrow's requirements today!
- We support you with upgrades, modernization as well as individual consultancy and developments



**HOMAG Finance –  
precisely the right financing**

- We offer you tailored financing proposals for your machinery or plants. Our financial advice goes hand in hand with our expertise relating to technical questions. Your personal contact person will take care of the whole process
- The benefit for you: The ability to invest without delay in new technologies and remain financially flexible

**1.200**  
Service employees around the world

**5.000**  
Customers in training courses / year

**>90%**  
less on site services through successful remote diagnosis

**>150.000**  
machines, all electronically documented in 28 different languages – in eParts



**Training courses**

- The trainings perfectly suit to your requirements. Through this your machine operators can operate and maintain the HOMAG Group machines optimally
- The training courses also include customer-specific training documents with practice-proven exercises



**Software**

- Telephone support and consultancy through software support
- Digitalization of your spare parts via 3D scanning saves time and money compared to new programming
- Subsequent networking of your machinery with intelligent software solutions ranging from construction to production



**Field Service**

- Increased machine availability and product quality by certified service staff
- Regular checks through maintenance / inspection guarantee the highest quality of your products
- We offer you the highest availability of technicians in order to reduce downtimes in case of unpredictable troubles

## **HOMAG Group AG**

info@homag.com  
www.homag.com



## **YOUR SOLUTION**