EQUIPMENT:

Surveillance cameras
DMC camera
Pilot laser
Focus finder
Bad part box

FUNCTION MODULES:

Rotory axis
Double extendable table
Labelmaker - automatically marking and cutting laser labels
Cardmaker - automatically marking tag plates
Customized special modules

Workspace Inside (W x D x H)	1000 x 500 x 300 mm
Marking field	150 x 150 mm (other size available aswell)
Maximum weight of workpiece	100 kg
Dimensions (W x D x H)	1200 x 1510 x 2200 mm (Without screen and keyboard base)
Weight	580 kg
Active Media	Yb fiber laser
Cooling	Air cooled
Power Standard	20 , 30, 50, 100 Watt
Safety	Laser class 1
Laser dust induction	Integrated

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V. 1.0

penteq®
Automatic Laser Solutions

LaserWorkstation

Complete solution with integrated dust iduction

LG 300

Laserworkstation - LG 300

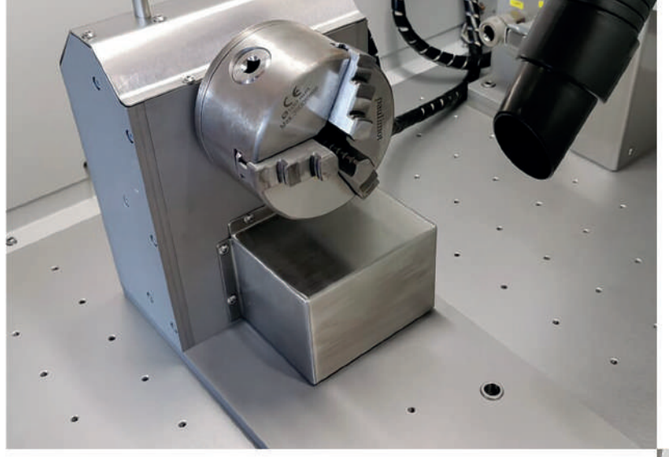
With its large inside dimensions, the premium workstation offers plenty of room for most applications. Large workpieces or many small parts can be automatically processed in one load.

Automatic door

A generous door, equipped with a light curtain, allows a comfortable access to the working area.

A special feature is the additional control function through the optical detection of the insertion /removal movements.

Thereby, during the manual feed downtimes get reduced to an absolute minimum, which can increase productivity.



NC-controlled rotary axis

NC rotary axis for labeling rotationally symmetrical workpieces on the lateral surface including 3 jaws Chuck.

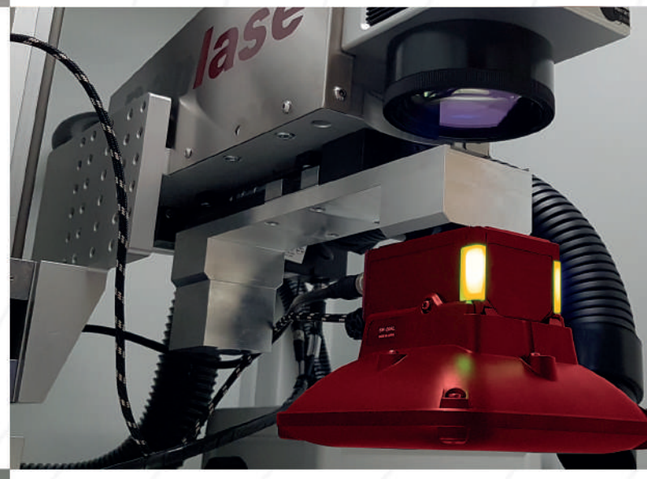
An adjustable support prevents particularly long workpieces tilting, thus ensuring precise results.

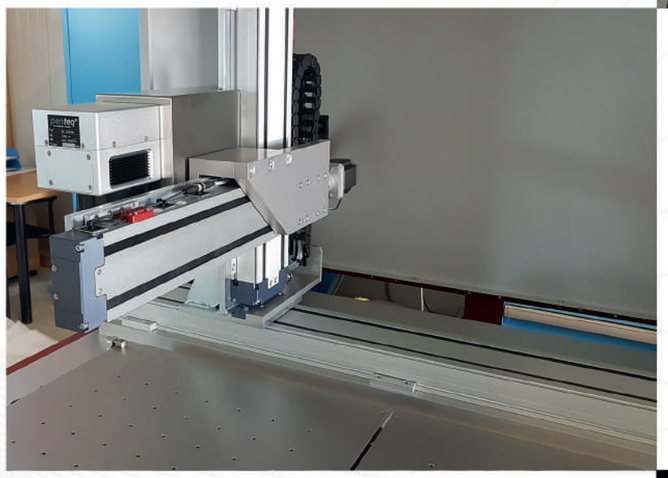
Optional different chucks and special versions are available.

Optional vision systems

PenVision Smart Adjust reduces set-up time and enables exact positioning of the labeling layout.

PenVision Verifier enables standard-compliant quality testing of applied Data Matrix codes according to ISO / IEC TR 29158.





NC-controlled axes

The controlled X, Y and Z axes moves the laser head quickly and precisely at the desired position.

Advantageous for machining large workpieces at different positions.

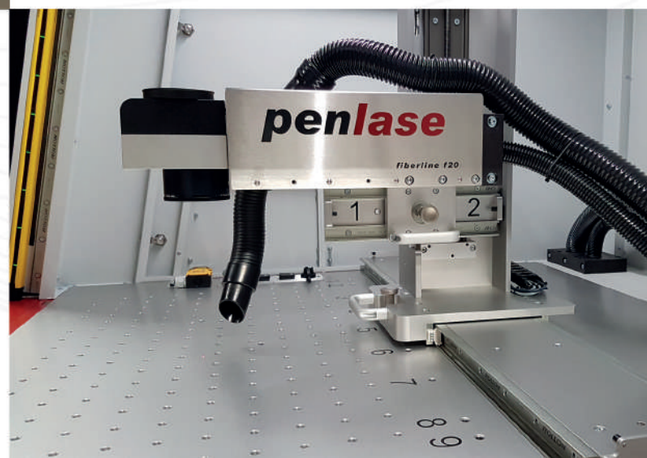
Automatic production of a large number of small workpieces in one load for high throughput.

In combination with the optional double extension table, the loading / unloading can be done simultaneously with the production process.

Option: Manual XY axes

Sometimes a simple solution is the better one.

If large workpieces has to be labeled in one area, a quick positioning of the marking field can be done by simple adjustment in X and Y direction.

Smooth-running guides and a scale with locking positions ensure appropriate reproducibility.

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