REA JET

REA JET CL & FL
Laser Safety Enclosure

Most flexible laser cabinet workstation for various laser jobs

As a stand-alone manual workstation the REA JET Laser Safety Enclosure provides a wide range of applications for laser marking on different materials, surfaces and product sizes. The compact system is a convenient and easy to operate solution in low volume production to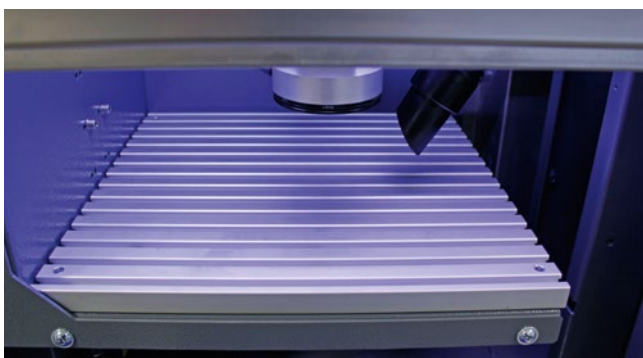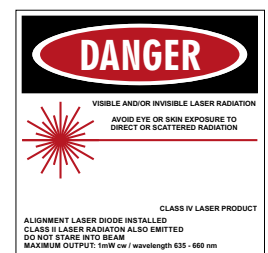 permanently mark products, for example with logos, product information, dimensions and codes for traceability. The REA JET laser workstation is an all-in-one solution of laser protection class 1 which can incorporate both REA JET laser technologies, the REA JET CL CO_2 Laser as well as the REA JET FL Fiber Laser.

Features:

- Suitable for both, REA JET CL CO_2 Laser and REA JET FL Fiber Laser
- Mounting options for the REA JET CL Laser are left, right and rear of the cabin exterior wall
- Space-saving installation of the REA JET FL Laser on the workstation's rear wall
- For the precise alignment and marking of various product formats, lenses of different focal lengths and variable installation heights of the laser are available
- Wide and smoothly to open door allows ergonomical access to processing chamber
- Sliding door with guard locking for process save marking to avoid the risk of job abortion by accidentally opened door
- Large range of height adjustment via handwheel by vertical motion of product table to place product at perfect distance for laser focus
- Robust and spacious dimensioned work table for simple product intake (370 x 400 mm)
- External connection of dust extraction unit with flexible suction hose inside
- The laser workstation is designed to operate as a table top unit, the base frame – which is equipped with wheels – is an available option
- LED interior lights to illuminate loading compartment

Single button operation:

- Easy operation of the laser workstation via integrated control panel, no external PC connection required
- Start marking with ready indication
- Stop button to abort process
- Control switches for cabinet light and pilot laser operation

Workstation dimensions:

- Height   750 mm (door closed)
  Height 1,120 mm (door open)
- Depth 700 mm + 100 mm hose of extraction unit
- Width 700 mm with REA JET FL Laser mounted from backside, additional 185 mm with REA JET CL Laser mounted on left or right hand side
- The capacity of the loading compartment allows to insert products with measurements up to 470 x 375 x 360 mm (width x depth x height)

DANGER

VISIBLE AND/OR INVISIBLE LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION

CLASS IV LASER PRODUCT

ALIGNMENT LASER DIODE INSTALLED
CLASS II LASER RADIATON ALSO EMITTED
DO NOT STARE INTO BEAM
MAXIMUM OUTPUT: 1mW cw / wavelength 635 - 660 nm

Large product bed area to place components

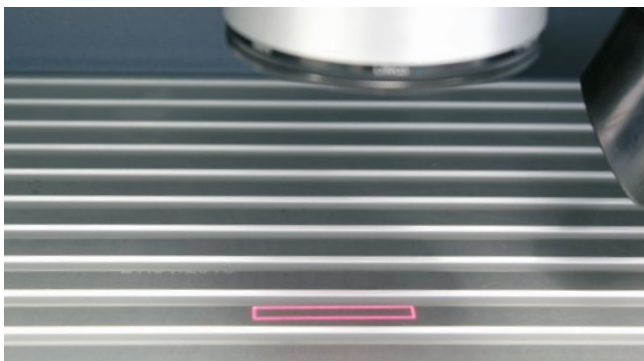Flexible placement of suction hose

① Large and easy to open sliding door for comfortable access to loading space

② Special protection glasses for either REA JET CO_2-Laser or REA JET Fiber Laser applications

③ I/O and safety ports

④ Connection pipes for air supply and exhaust

⑤ Manual height adjustment of the product table through linear spindle and counting unit

⑥ REA JET CO_2-laser can be installed in two mounting heights and on left or right hand side

⑦ Two lifting lugs for safe transportation

① Large dimensioned and stable product table for objects of various geometries. Profiled surface for optimized positioning of the products and consistent quality of laser marking in serial operation

② Locking and safety switches

③ Height adjustable leveling feet and mounting position for optional baseframe

CE

Invisible laser radiation
Laser Class 4
Visible laser radiation
Laser Class 2
Avoid eye or skin exposure
to direct or scattered radiation
According to EN 60825-1:2014

Pilot laser for exact positioning of products

REA JET CL CO_2-Laser mounted sideways

Handwheel for adjustment of product table

Laser workstation basic function operation panel

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