

OYSTER[®]

LASER TABLE SYSTEM



SCALING NEW HEIGHTS

LASER MARKING · LASER ENGRAVING · LASER CUTTING · LASER WELDING

OYSTER

Colored annealing marking
of a button for
stainless steel consoles.



OYSTER® – COMPACT AND FLEXIBLE

This compact system provides an economical way to get started in laser marking. The table system is outstanding for individual parts and small series of a wide range of materials. The OYSTER® is used whenever small parts must be identified or engraved quickly, flexibly and with high quality. Due to the table layout, the machine can be set up at any workstation without any problem. Applications for the OYSTER® are mainly the jewellery, medical and tool industries, advertising and wherever laser marking and/or engraving could not be used in the past for reasons related to space or cost.

THE PERFECT TOOL FOR:

- Laser marking and engraving on surface or circumference
- Intelligent segmentation with no discernable blending
- Serial numbers
- Data matrix and barcodes
- Logos
- Text
- Punching
- Inside ring engraving
- Tools
- Jewellery
- Tags
- Foil
- Advertising media
- Components
- Scaling



*Laser machining
of diver's bezels*



*Laser marking
of advertising specialties.*



*Day and night design
in the automotive industry.*



*Laser marking
of DataMatrix Codes.*

EFFICIENCY WITH ACSYS®

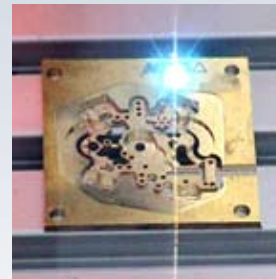
The camera set-up module
LAS - Live Adjust System®
at a glance.



1. Insert the piece to be processed.



2. Zoom and align texts, graphics and 3D models directly on the workpiece on the monitor.



3. Start laser machining.



4. Remove the perfect result and continue with the next project.



*OYSTER®
with electrical lift door,
NC-controlled z-axis
and LAS - Live Adjust System®.*

AC-LASER® SOFTWARE PACKAGE

Programming

Fully graphical surface with extensive functions

- Windows True Type Fonts
- File import for STL, STEP, DXF, PLT, JPEG, BMP, etc.
- Database connection to Excel, ORACLE, etc.
- Interfaces to Ethernet, Profibus, CANopen, etc.
- Customer-specific script programming
- Logos, text, barcodes, data matrix, etc.

LAS – Live Adjust System®

Camera-supported set-up system ensures minimum set-up times with single or dual camera solution.

PARTS HANDLING

Precision dividing heads

Rotary and swivelling axes for inside and outside marking of rings, cylindrical or conical workpieces.



TECHNICAL DATA

| MACHINE | OYSTER® | CONTROL UNIT (optional) | |
|--|---|--|--|
| Housing: Dimensions (W x H x D): Weight approx.: max. workpiece weight: Working area (W x H x D): Door opening: Working area: max. working height for field size 70 x 70 mm² (f100): 110 x 110 mm² (f160): 170 x 170 mm² (f254) (other field sizes available on request) | Laser protection class 1 765 x 600 x 775 mm³ 80 kg 35 kg 550 x 385 x 245 mm³ 520 mm Specified values vary depending on configuration! Field size 175 mm 130 mm 20 mm | - 520 x 705 x 710 mm³ 80 kg - - - - - - - | Other laser sources and configurations on request. All information is subject to change! |
| LASER | | | |
| Laser type: Cooling: CW-Output: Pulse repetition frequency: Electr. connection: Power input approx.: max. perm. ambient temp.: | Yb: Fiber laser Air 10 - 50 Watt 20 - 500 kHz 230V/50Hz/16A 0,5 - 1 kW 35/50 °C | | |

SERVICE

Laser sources feature long service life. Easy accessibility reduces maintenance and service expense to a minimum. Shortest response times around the clock and a qualified online support service with the very latest diagnostic systems ensure system availability. Our Spare and Wear Parts Centre also maintains a wide assortment available directly from the warehouse.



OYSTER® with optional control unit.

COMPETENCE ON SITE:
 KORNWESTHEIM
 MITTWEIDA
 LÜDENSCHIED

ACSYS LASERTECHNIK