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LASER ENGRAVING MACHINE

# PULSARIS 300



PRECISION IS OUR WORLD...

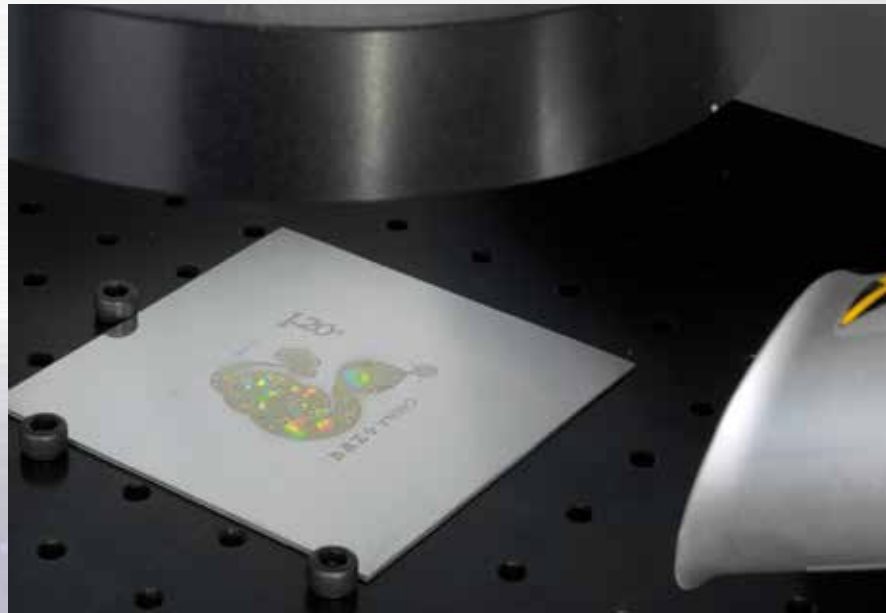


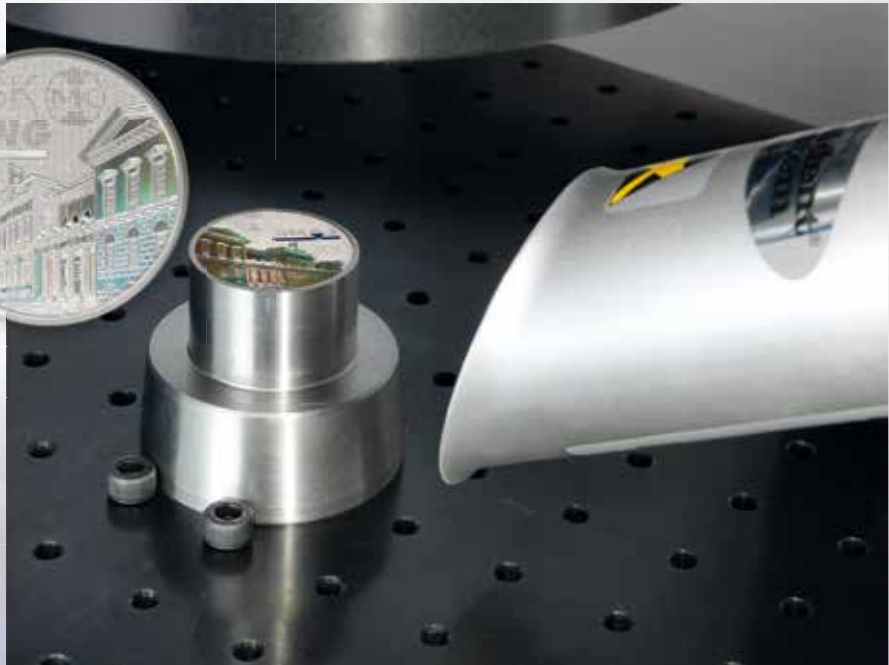
The laser engraving machine Pulsaris 300 enables tool-free and non-contact machining of work pieces, whereby highly accurate engravings, finest frosting, sharp micro text and a variety of surface structures are possible - even in deep or hard accessible areas of a work piece.

Whether hardened or not hardened steels, precious metals or different other materials, by means of laser engraving, the finest structures can be achieved, as they are not realizable with a conventional engraving cutter. In combination with further developments on in-house software solutions, highly precise results with excellent surface qualities and short production times are obtained.

Like all machines of the Pulsaris-series the latest version of the Pulsaris 300 also has a temperature-stable and vibration-damping granite basis. This enables dynamic processing of very different materials with highest precision so that you always achieve an excellent surface quality.

## Typical Applications





## Technical Data



|                                  |   |                               |                                    |
|----------------------------------|---|-------------------------------|------------------------------------|
| Working range X x Y x Z (mm) (") | 300 x 300 x 300 (11,81 x 11,81 x 11,81) |                               |                                    |
| Load capacity max (kg)           | 100                                     |                               |                                    |
| Weight of machine (kg)           | 2.000 (plus accessoires)                |                               |                                    |
| Controller                       | LNC express                             |                               |                                    |
| Measuring system                 | Glass scales                            |                               |                                    |
| Output software                  | LDriver                                 |                               |                                    |
| <b>Standard laser unit</b>       |   |                               |                                    |
| Laser medium                     | Fiber laser                             |                               |                                    |
| Wavelength (nm)                  | 1064                                    |                               |                                    |
| Power in ground mode (TEM00) (W) | 20                                      | 50                            |                                    |
| Cooling system                   | Air cooled                              |                               |                                    |
| Pulse rate (kHz)                 | 25 - 1000                               | 25 - 1000                     |                                    |
| <b>Objective</b>                 |   |                               |                                    |
| F-Theta objective(mm)            | 80                                      | 100                           | 163                                |
| Scan field (mm) (")              | 45 x 45                                 | 54 x 54                       | 110 x 110                          |
| Smallest spot size (µm)          | 23µm                                    | 30µm                          | 47µm                               |
| Special Features/Options         | F-Theta telecentric objective           | F-Theta telecentric objective | F-Theta objective; not telecentric |

## Complete system solutions

We offer complete system solutions for your milling and engraving applications.

Beginning with the digitizing system LDIGIT, followed by software LErgoCAD and Relief-Designer up to an individual machine conception and product-specific training, with LANG you have only one partner from the idea up to the finished product.

Our decades of experience in the field of machine and control construction as well as in the development of software guarantees process reliability and maximum quality in the machining of your workpieces.

