

LASER CODING

Solution by *es CODE*

Innovative fibre laser

The *es CODE* laser range is the outcome of intense research and development work led, in recent years, by the ES TECHNOLOGY teams. Based on the innovative and widely tested Ytterbium fibre technology, these lasers are displaying a stable and high quality beam. This makes them particularly efficient tools for many applications.

An ultra-compact scan head

The *es CODE* lasers scan head is exclusively manufactured in ES TECHNOLOGY workshops. It has been especially developed to respond to the needs of applications requiring high reliability and speed. Moreover, the very small dimensions of this scan head makes it really easy to integrate on production lines.



Industrial Laser throughout the World



Cost effective solution

ES TECHNOLOGY offers *es CODE* lasers at very competitive prices. Besides, the result of the reliability and minimal maintenance needed by the technologies used in *es CODE* lasers, is very low operational costs.

Industrial design

Just like all lasers manufactured by ES TECHNOLOGY, those belonging to the *es CODE* range are industrially designed. Thus, they perfectly meet the requirements for integration on production sites.

Quality insurance

To insure you excellence, ES TECHNOLOGY integrate components coming from the best suppliers within its laser cores.

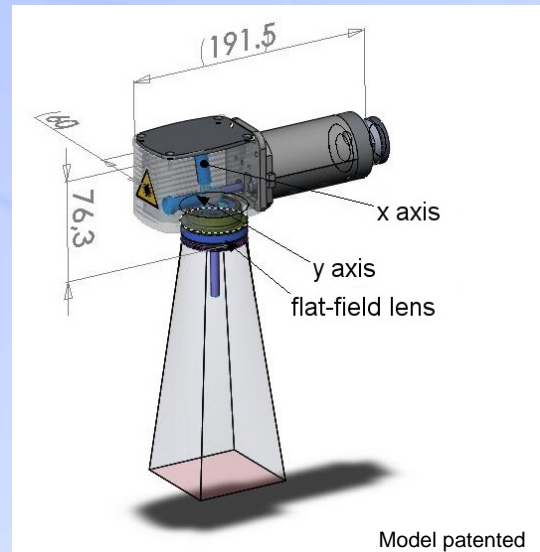


es CODE - A COMPLETE RANGE OF PRODUCTS

The es CODE range consists of three complementary laser types. This allows stationary as well as on the fly marking and coding. es CODE C300 lasers work at a power of 30 watts. They are able to mark without removing any matter, whilst leaving the treated surfaces totally smooth. As for es CODE 100 lasers, they work at a power of 10 watts and allow the engraving of products. Finally, es CODE 200 lasers work at a power of 20 watts and are able to mark on reflective materials.

AN ADAPTED HOUSING

Permanently concerned by the possibility to use its lasers in safety, ES TECHNOLOGY has designed a housing particularly well adapted to the es CODE range. Its size, reduced to the minimum, allows easy integration, even in the smallest spaces.



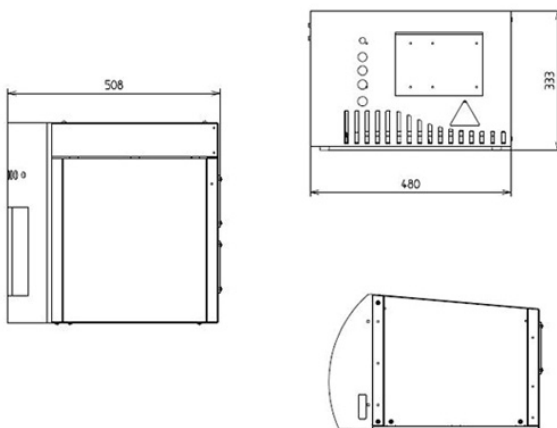
Model patented



Inox bay version



Mini-housing



Model patented

TECHNICAL SPECIFICATIONS

Power	10, 20 or 30 W
Wavelength	1,06 μm
Operating mode	continuous or pulsed
Frequency	from 0 to 200 kHz
Marking field	140 mm diameter
Spot diameter	from 30 to 50 μm
Moving speed	20 $\text{m}\cdot\text{s}^{-1}$
Marking speed	600 $\text{characteres}\cdot\text{s}^{-1}$ (characteres height 1 mm)
Operator interface	10 inches touch screen
Cooling	air
Energy consumption	350 W max

Safety shutter
 Emergency stop
 Class 4 laser
 Connections : 3 USB ports, PS2, Ethernet, additional connections for monitor, keyboard and mouse
 Complete marking software : multilingual es MARK ; easy and user-friendly CAO/DAO ; file creation, importation and saving ; advanced software allowing the marking of every kind of data

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