



Advantages of the IFL model Diode Fiber laser over traditional Flash Lamp lasers

No Flash lamp	No need to change costly flash lamps when they wear out, a saving of approx. €1000 – €1500* per year.
No internal mirrors	No mirrors, means there is nothing to realign.
Lifespan	The diodes have a working life of 60,000 h (25 years)
High Power	The nominal running laser output power is 150W, which can be peaked to 1500W when required.
Low power absorption	A 150W IFL laser has a rating of only 700W compared to a traditional smaller 80W Nd Yag laser which has a rating of 7500W This equals a yearly electricity bill saving of € 8000*
No cooling system	Due to its extreme efficiency, no internal cooling system is required, as there is no extra heat created. No water pumps, leaky radiators, piping, couplings and seals, all of which potentially cause problems on traditional lasers
Compact size	Since it is purely solid state construction, the overall space required is minimal, less than a third of the volume of traditional lower power laser generators.
Complete integration	So small that it can be piggyback installed on most machines, and have its control & programming integrated into the chain machines own software and panel.
No maintenance	NO MAINTENANCE WHATSOEVER. Our beta test customer who is currently using the earlier prototype has been running non stop for 3 years with no intervention except cleaning dust from the air filter.

* Based on 300 work days per year

Note. The above data, features and characteristics are not binding. CIEMMEO s.r.l. retains the right to vary them at any time without prior notice