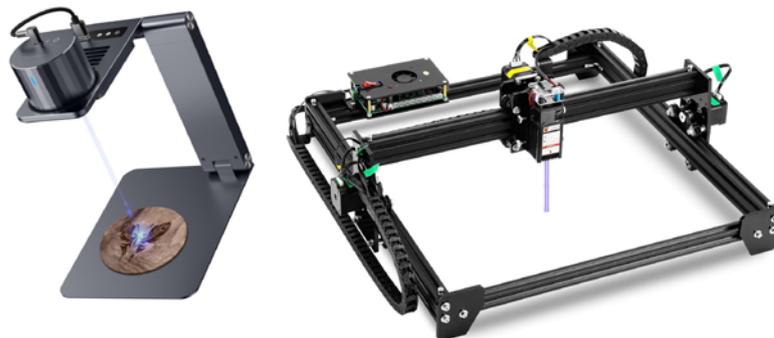


Laser cutters



Don't make an EN-grave-ING mistake

Devices like these above may function as laser engravers but they fall short when it comes to safety features necessary, to allow them to be used in an educational setting.

In order for a machine to be suitable for education use, BS 4163 (2021) states:

Only laser cutters or engraving machines classified as Class 1 lasers should be used in school. The laser may be Class 4, but when enclosed in an interlocked unit, it would be a Class 1 machine.

This means that your laser module must be

completely inaccessible when the machine is in operation. This is usually achieved by manufacturers placing the entire machine inside an enclosure that interlocks an access panel, and cuts power to the laser module if the access panel is opened during operation. This way you ensure that no one is injured by being exposed to the laser.

A typical example can be seen below. This Mantech Lasertech 6040 has a fully interlocked access door and built-in extraction system making it a good option for schools.

