

## KOENIG MACHINERY

### CLASS 4 LASER – STANDARDS COMPLIANCE GUARDING, PPE AND LABEL REQUIREMENT

#### Product Information

#### Open Class 4 laser machines

Photo of Product example:



#### Directives:

AS/NZS 60825.1:2019 - Safety of laser products

In accordance with Australian safety standard “AS/NZS 60825.1:2014 - Safety of laser products”, referencing “IEC/ISO 11553 - Safety of machinery- laser processing machines”

Safety measures at location with controlled access, the workplace must:

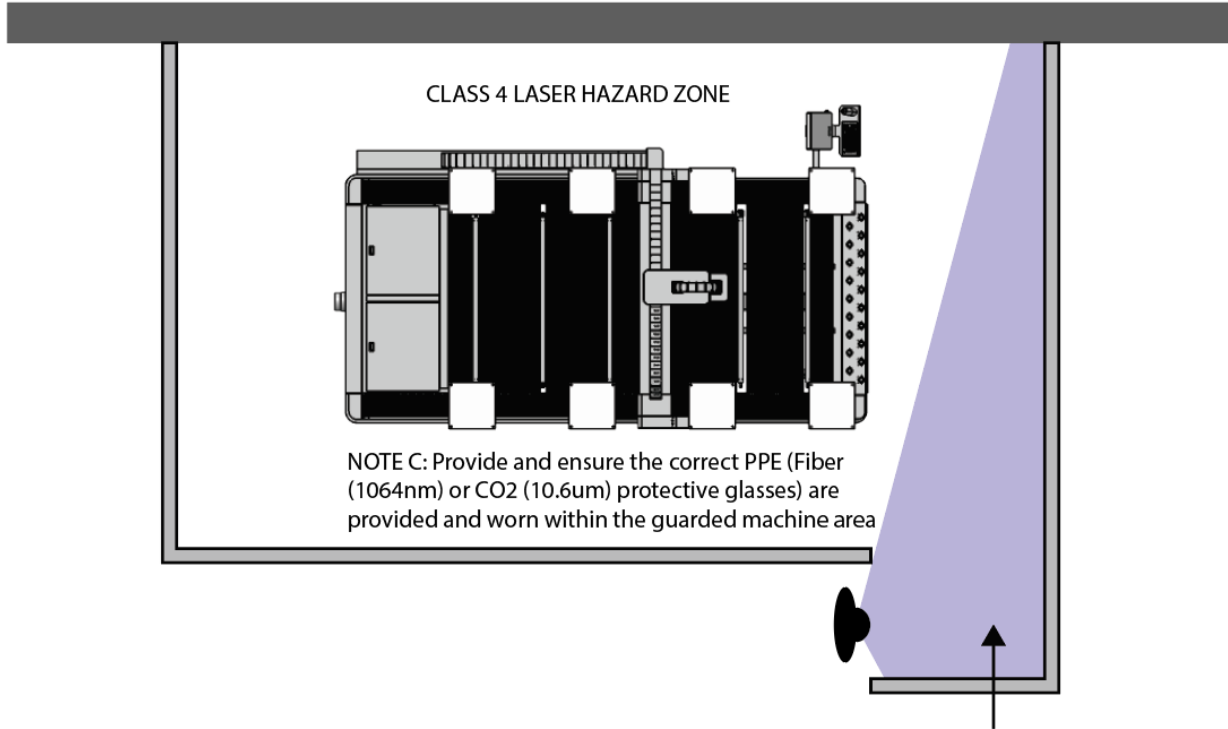
- (A) Install guarding to protect against the laser radiation (in the form of an enclosure or guarding (screening) walls etc) for all Class 4 laser machines in place of the Nominal Ocular Hazard Distance (controlling all hazard within the enclosure zone)
- (B) Affix the “class 4” warning label to the entrance of the guarded laser area (NOTE: labels are affixed to the machine as standard). Label must be easily legible and installed at eye height.



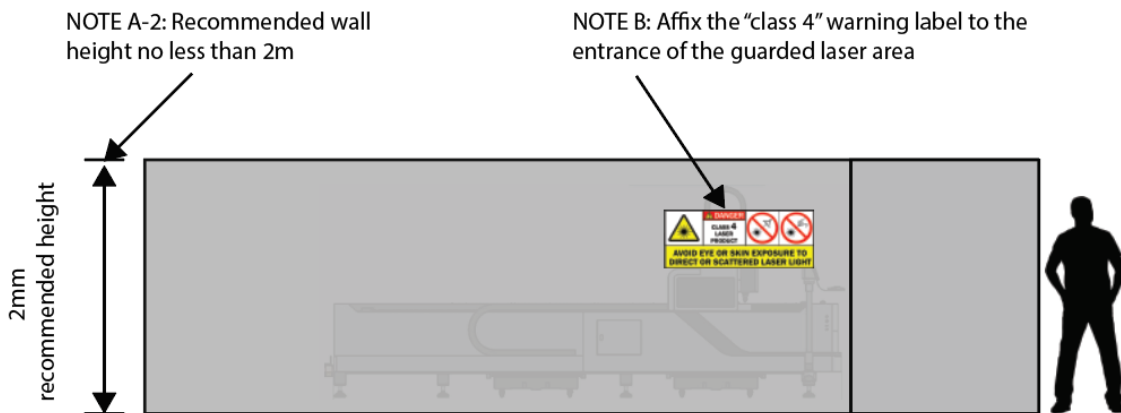
- (C) Provide and ensure the correct PPE (Fiber (1064nm) or CO2 (10.6um) protective glasses) are provided and worn within the guarded machine area to protect against visual laser radiation



**FACTORY DESIGN EXAMPLE:**



NOTE A-1: Walls must be designed to block the view of the laser (the laser head tip at any position possible on the machine) until the operator enters the space



NOTE A-3: Walls must be 100% opaque or made from laser safety CE certified perspex blocking the correct laser wavelength  
Fiber lasers - 1064nm  
CO2 Lasers - 10.6um wavelength