

Certificate of Conformity

Laser Jailer - Active Guarding System

This Certificate of Conformity is to declare that the Laser Jailer Active Guarding System has been found to comply with the following directives and standards:

Directives: Machinery Directive 2006/42/EC June 2010
EMC Directive 2014/30/EC
Low Voltage Directive 2014/35/EU



Standards: EN 60825-4:2006 +A2:2011 Safety of Laser Products, Part 4: Laser Guards
EN ISO 13849-1:2015 Safety of Machinery: Safety-related parts of Control Systems
EN 60947-1:2007 +A2:2014 Low Voltage Switchgear and Controlgear
EN 61010-1:2010 +A1:2016 Safety Requirements for Electrical Equipment

The Laser Jailer Active Guarding System has a Response Time of 50ms and meets Performance Level 'e' (PL 'e') under EN ISO 13849-1:2015

The Active Guarding Protection Times, in accordance with EN IEC 60825-4, are:

Laser Jailer Incorporating 50mm thick Laser Castle Panels		
Beam Area	Average Irradiance	Active Guard Protection Time
4 mm ²	1.25 GW / m ²	1 s
80 mm ²	62 MW / m ²	> 150 s
2000 mm ²	2.5 MW / m ²	> 150 s

Laser Jailer Incorporating 100mm thick Laser Castle Panels		
Beam Area	Average Irradiance	Active Guard Protection Time
4 mm ²	1.25 GW / m ²	3 s
80 mm ²	62 MW / m ²	> 150 s
2000 mm ²	2.5 MW / m ²	> 150 s

Supplier and Installer:

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Signed

Paul Tozer

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Date: 15th January 2020

Country of Origin: England

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