

# Cutting

## Cutting 1mm Thick Silver

In the jewellery market there are specific requirements for precision cutting of precious metals such as silver, for items that have filigree features.

Our redENERGY Pulsed Fiber Lasers are ideally suited to this application and are capable of cutting a range of precious and reflective materials up to 1mm in thickness.

These Lasers offer incredible versatility that not only can be used for cutting applications, but also as a decorative tool to perform localised engraving and texturing.

The G4 30W HS-S Laser took only 144seconds to manufacture the 20mm high “China Heart” pendant made from 0.5mm sterling silver. The processing includes the outline and all internal cutting, the engraving of the country outline to leave proud borders, and using a white texturing infill.

Some fine text marking and a scribed machining effect was also carried out on the rear surface of the pendant; all within the cycle time.

### Related Product



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**redENERGY G4**



## Application Parameters

Type	G4 30W HS-S
Power	30W
M <sup>2</sup>	<1.3
Beam Ø	8mm
Scanner/Lens	HurryScan II 14/Ft - 163
Energy	WF0 @70kHz

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