

## Laser Cutting

### Advantages :

- Reliable Repetition of laser cut parts.
- Consistent edge quality around profiled part.
- Square edges and accurate holes.
- Great levels of detail achievable in particular thicknesses.

## KMS Hardrange

### Details

#### Machine

Maximum Sheet Size	3000 x 1500 mm
X-Axis Travel	3150 mm
Y-Axis Travel	1600 mm
Z-Axis Travel	100 mm

#### Maximum Positioning Speeds

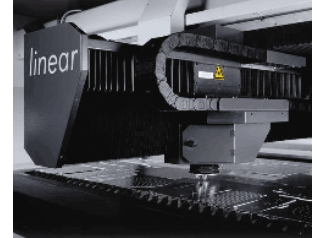
X-Axis	120 m/min
Y-Axis	120 m/min
X-Y Simultaneous	169 m/min
Z-Axis	30 m/min
Repetitive Accuracy	± 0,025 mm
Positioning Accuracy*	± 0,05 mm/m

#### Laser

Type	GE-Fanuc HF excited fast axial flow CO <sub>2</sub> laser
Laser Power (± 2%)	2500 W, 4000 W or 5000 W
Power Stability	± 2%
Wave Length	10,6 μm
Mode	D
Divergence	< 2 mrad
Directional Stability	< 0,2 mrad
Pulses up to	2 kHz
Polarization	circular
Laser Gas	10 l/hour (2,5 - 4 kW) 20 l/hour (5 kW)

### Sheet Thicknesses

Mild Steel	0.5mm to 20mm
Stainless steel (N <sub>2</sub> )	0.5mm to 15mm
Aluminium	0.5mm to 10mm
Brass	0.5mm to 5mm



Laser Cutting Axel 4Kw Machine