

SmartLaser

FIBRE LASER CUTTING



Fibre Laser Cutting

The RVD precision laser cutting machines include both compact models with manual loading as well as fully automated models with shuttle tables for production cutting. The laser source is available in various power ratings from 1000W upwards and can be specified as either nLight or IPG. Additional features include a cutting head supplied by RayTools of Switzerland and high quality linear motion system with servo drives. Standard bed sizes range from 1300x900mm to 2500x6000mm.



Features

- High performance nLight alta™ Fibre Laser Source
- Fibre optic beam delivery system
- RayTools Autofocus Laser Cutting Head
- High strength, rigid gantry design to ensure high accuracy
- and allow high acceleration
- High precision class alpha rack and pinion drive motion system
- Drawers fitted underneath the cutting table for the removal of small parts and scrap
- Dual pallet hydraulic lift transfer table allowing cutting during loading and unloading
- CE compliant complete machine enclosure and light barrier system
- Cypcut CNC Laser Control and Software

Options

- High performance nLight alta™ Fibre Laser Source
- Fibre optic beam delivery system
- RayTools Autofocus Laser Cutting Head
- High strength, rigid gantry design to ensure high accuracy
- Cypcut CNC Laser Control and Software

Quality Approved

RVD are committed to using quality components from leading manufacturers.

Schneider
Electric

ELGO
ELECTRONIC

rexroth
A Bosch Company

Gates **EMB**

CYBELEC

SIEMENS

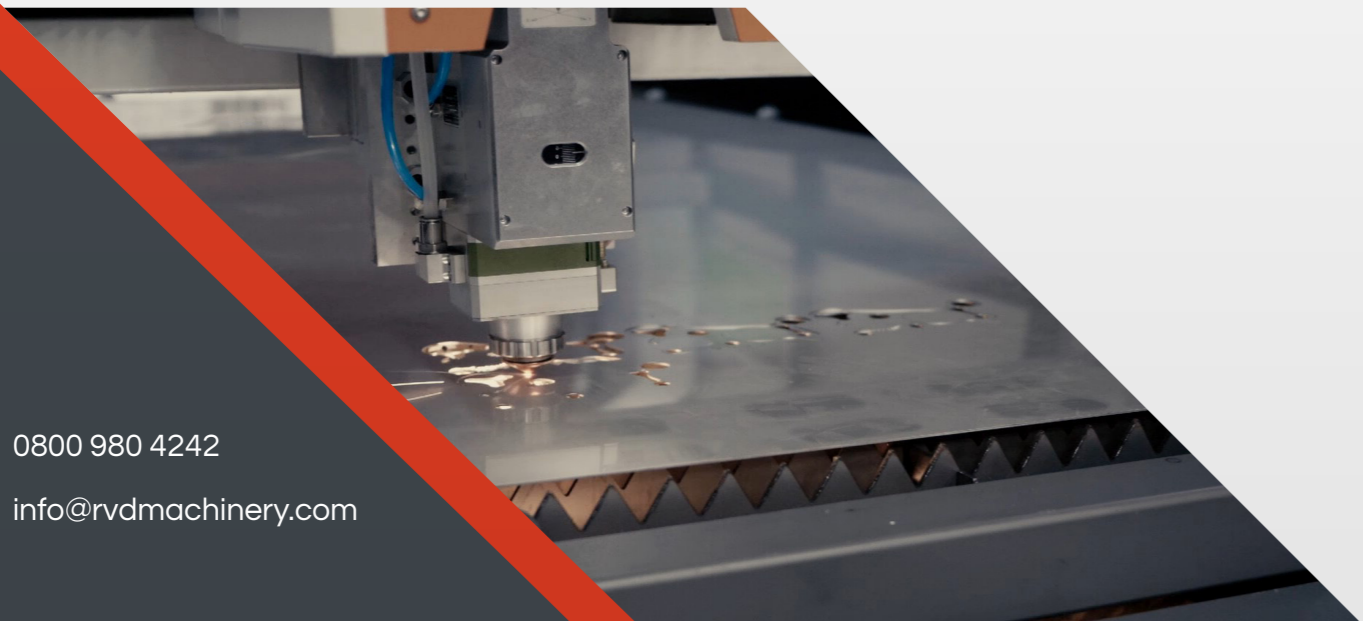


Key Specifications

Laser Source
IPG / nLight Fibre

Laser Power
1.0 - 8.0kW

Bed Sizes
1300x900mm -
2500x6000mm



Capacities

		1.0kW	1.5kW	2.5kW	3.0kW	4.0kW	6.0kW	8.0kW
Laser Power	kW	1.0	1.5	2.5	3.0	4.0	6.0	8.0
Positioning Speed	m/min	90	90	90	100	100	100	100
Axis Acceleration	G	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Positioning Accuracy	mm	±0.05	±0.05	±0.05	±0.05	±0.03	±0.03	±0.03
Repeat Position Accuracy	mm	±0.03	±0.03	±0.03	±0.03	±0.02	±0.02	±0.02
Cutting Capacity – Mild Steel	mm	12	14	20	22	25	25	30
Cutting Capacity – Stainless Steel	mm	5	6	10	12	12	20	25
Cutting Capacity – Aluminium	mm	4	5	8	10	12	16	24
Cutting Capacity – Brass	mm	4	5	8	8	12	14	16
Cutting Capacity – Copper	mm	3	4	6	6	6	10	14
Cutting Capacity – Galvanised Mild Steel	mm	3	5	6	8	10	14	20

Specifications

		PR 3015	PR 4020	PR 6020	PR 8025
X Axis Travel	mm	3000	4000	6000	8000
Y Axis Travel	mm	1500	2000	2000	2500
Z Axis Travel	mm	200	200	200	200
Maximum Sheet Size	m	3x1.5	2x4	2x6	2.5x8
Length	mm	9500	12500	16000	22000
Width	mm	5500	5800	5800	6300
Height	mm	2460	2460	2460	2460
Weight	Kg	7500	12500	16500	21000

