

MACHINING

Machine Type	Specification and Capacity						
	Chuck Dia	Bar Dia	Z Travel	X Travel	Y Travel	Number of Axis	Spindle Speed
Vertical Machining Centres <i>2 machines including Doosan and HAAS</i>	N/A	N/A	762 mm (30")	1626 mm (64")	813 mm (32")	5	6000
CNC Turning <i>2 machines including 2 Doosan Lathes</i>	304mm (12")	76 mm (3")	680 mm (27")	266 mm (10")	N/A	2	4000

CNC Lathes:

Doosan GT2100 Lathe
Doosan GT2600 Lathe

CNC Mills:

HAAS VF3 Vertical 4 Axis Mill
Doosan DNM Vertical 350 5 Axis Mill

ELECTRON BEAM WELDING

Machine Number	Machine Type	Chamber Dimensions W x D x H	K.v.	Power (kW)	Axis that can be manipulated (If applicable)
Machine 1	Steigerwald	0.6m x 2.0m x 0.6m	150	15	X,Y,Rotary
Machine 2	Steigerwald	0.6m x 2.0m x 0.6m	150	7.5	X,Y,Rotary
Machine 3	Cambridge Vacuum Engineering	0.5m x 0.5m x 0.5m	60	4	X,Y,Rotary
Machine 4	Cambridge Vacuum Engineering	0.3m x 0.3m x 0.3m	60	4	Rotary
Machine 5	Cambridge Vacuum Engineering	0.3m x 0.3m x 0.3m	60	4	Rotary
Machine 6	Cambridge Vacuum Engineering	0.3m dia x 0.36 Deep	60	2.4	Rotary
Machine 7	Cambridge Vacuum Engineering	0.23m x 0.23m x 0.23m	60	3	Rotary
Machine 8	Torvac	2.6m x 0.6m x 0.6m	60	4	Rotary
Machine 9	Steigerwald	2.5m x 1.4m x 2.5m	150	30	X,Y,Rotary
Machine 10	Cambridge Vacuum Engineering	1m x 3m x 1m	60	10	X,Y,Rotary
Machine 11	Cambridge Vacuum Engineering	0.45 x 0.45 x 0.45	60	4	Rotary