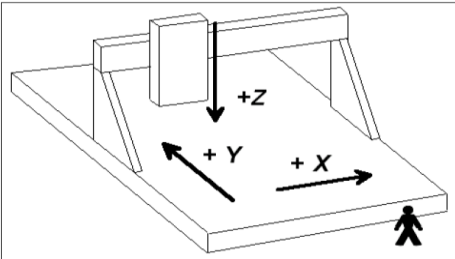


	STPCRAFT				
	1/210	2/300	2/420	2/600	2/840
Axis resolution	400 steps / rotation				
Stepping mode	Half stepping mode				
Distance / rotation	2 mm / rotation	3 mm / rotation			
Speed (fast)	30 mm/s	50 mm/s			
Speed (manual drive fast)	x/y = 25mm/s, z = 15 mm/s	x/y = 40mm/s, z = 30 mm/s			
Speed (manual drive slow)	x/y/z = 5 mm/s				
Speed (reference drive search)	x/y/z = 10 mm/s	x/y/z = 15 mm/s			
Speed (reference drive retract)	x/y/z = 2 mm/s				
Shortest ramp / slope	200 ms				
Driving direction	Depending on control software used				
Defintion zero point					
Reference switch at the end (X-axis)	Negative				
Reference switch at the end (Y-axis)	Positive				
Reference switch at the end (Z-axis)	Negative				
Order reference drive	z-x-y				
Machine table X-axis	From 0 to 212 mm	From 0 to 212 mm	From 0 to 302 mm	From 0 to 422 mm	From 0 to 602 mm
Machine table Y-axis	From 0 to 212 mm	From 0 to 299 mm	From 0 to 419 mm	From 0 to 599 mm	From 0 to 839 mm
Machine table Z-axis	From 0 to 82 mm	From 0 to 122 mm	From 0 to 142 mm	From 0 to 142 mm	From 0 to 142 mm
Reference position X	0 mm	0 mm	0 mm	0 mm	0 mm
Reference position Y	208 mm	298 mm	418 mm	598 mm	838 mm
Reference position Z	0 mm	0 mm	0 mm	0 mm	0 mm

Parallel port LPT-Adapter (X1)

Signal	X1
Relay 1	1
Direction X	2
Step X	3
Direction Y	4
Step Y	5
Direction Z	6
Step Z	7
Direction 4th axis	8
Step 4th axis	9
Tool Length Sensor	10
Emergency stop	11
Reference switch X/Y/Z	12
Reference switch 4th axis	13
Relay 2	14
n. a. (In)	15
Relay 3	16
PWM	17
GND	18-25
PE	Shed
5V / VCC	

Connector external signals / SUB-D 15 (X2)

Signal	X2	Input / Output
+19V / 30V VCC	1	Output
GND	2	Output
+5V /VCC Logic	3	Output
Direction 4th axis	4	Output
Step 4th axis	5	Output
Relay 2	6	Output
PWM	7	Output
Tool length sensor	8	Input
19V / 30V VCC	9	Output
GND	10	Output
Disable	11	Input
Reference switch 4th axis	12	Input
Relay 1	13	Output
Relay 3	14	Output
Enclosure	15	Input
PE	Shed	Shed

Connector 4th axis / SUB-D 9 (X101)

Signal	X101
Winding 1A	1
Winding 1B	2
n.a.	3
n.a.	4
Reference switch 4th axis	5
Winding 2A	6
Winding 2B	7
n.a.	8
GND	9
PE	Shed

LEDs of the mainboard (assembled, view from rear side)

Signal	Meaning
LED1	Power on / 5V
LED2	Sharing ok, output stage switched on, emergency switch switch off