

MYCNCUK – Mitsubishi FR-D720S to G-PENNY

2.2kW Spindle Parameter Map

This quick-reference sheet maps recommended Mitsubishi FR-D720S VFD parameters for use with a G-PENNY 2.2kW 220V 400Hz spindle. Values are based on typical configurations – always cross-check against your spindle nameplate and manufacturer documentation.

Parameter	Description	Recommended Value	Notes
Pr. 0	Frequency Command Source	0	0-10V input from CNC controller
Pr. 1	Maximum Frequency	400 Hz	Match spindle rated frequency
Pr. 2	Minimum Frequency	0 Hz	Allow full range control
Pr. 3	Base Frequency	400 Hz	As per spindle nameplate
Pr. 4	Base Voltage	220 V	Spindle rated voltage
Pr. 7	Acceleration Time	5.0 s	Adjust to avoid overcurrent faults
Pr. 8	Deceleration Time	5.0 s	Increase if tripping on decel
Pr. 9	Electronic Thermal O/L	Rated Current	Match spindle rated amps (e.g., 8-9A)
Pr. 72	Torque Boost	Auto (9999)	Let VFD handle automatically

Notes: _____
