

WIRING DIAGRAM

Overview

This wiring diagram is for a typical PG1000-400 system with X & Y linear scales as well as M-Axis (Magnification), A-Axis (Tool Rotation) and F-Axis (Focus) encoders installed.

Fig.1 – Parts Identification

Item	Part #	Description
A	00627-7P	LED Gooseneck Light
B	00657-7P	24Vdc Power Supply
C	1000-PGEB6-4L	Encoder Interface Box
D	00627-8P	Y Splitter Cable
E	00465-8P	Camera Cable (USB 3.0)
F	USB 2.0 CABLE	Encoder Interface Board USB Cable
G	00670-3PA x 2	X & Y-Axis (Linear Scale) Reader Head Cables
H	00633-8P	A-Axis (Tool Rotation) Reader Head Cable
I	00633-10P	M-Axis (Magnification) Reader Head Cable
J	00633-4P	F-Axis (Focus) Reader Head Cable
K	00087-5P	High Performance PC

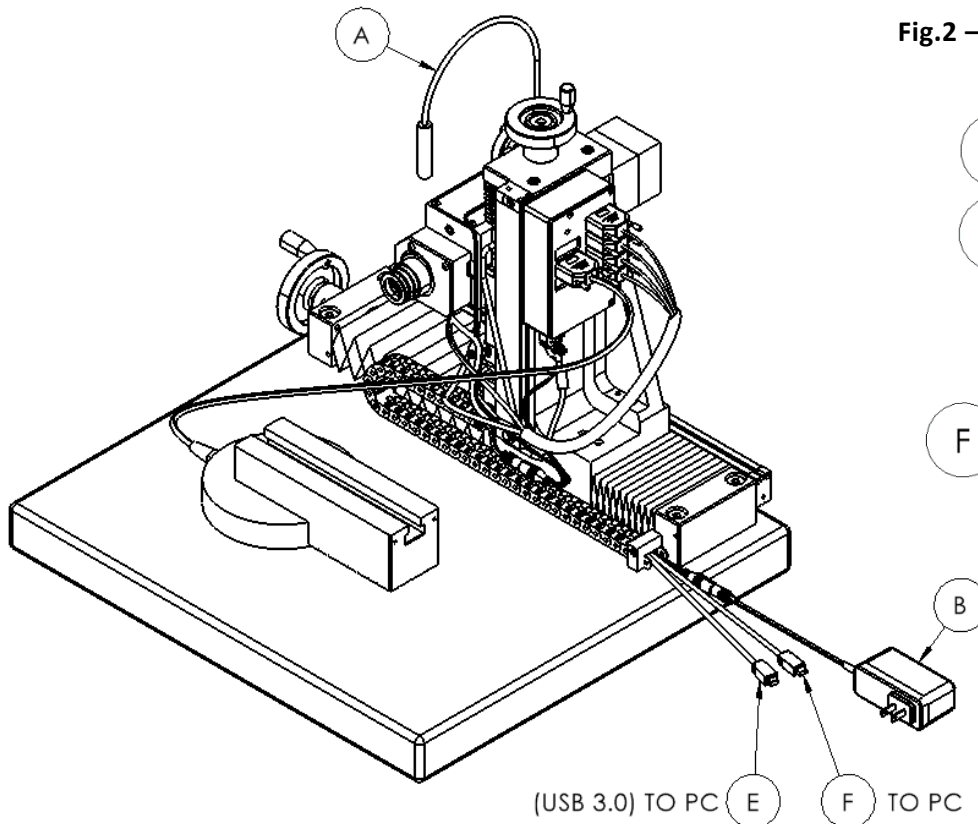


Fig.2 – Detailed View of Encoder Box Connections

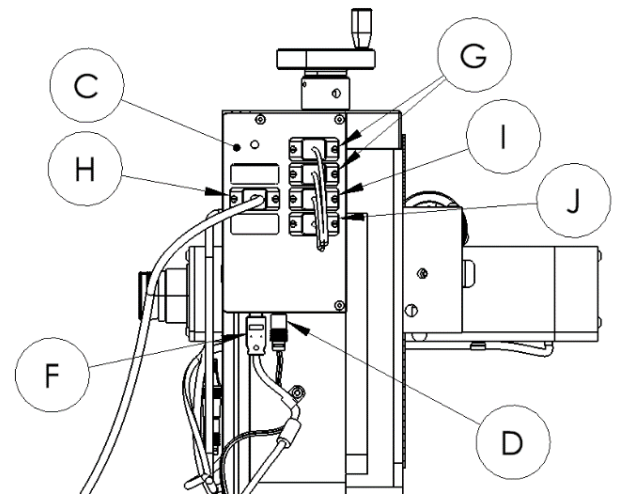


Fig.3 – Simplified Schematic

Item	Part #	Description
A	00627-7P	LED Gooseneck Light
B	00657-7P	24Vdc Power Supply
C	1000-PGEB6-4L	Encoder Interface Box
D	00627-8P	Y Splitter Cable
L	00657-2P	6' Extension Cable

