

ER #	Importance	Source (CR #)	Function	Requirement
ER 1	1	1.1, 2.2	Machining	Max measureable cutting force
ER 2	1	1.1, 2.2	Machining	Max withstandable RPM
ER 3	2	1.3	Data Measurement	Sampling Rate Per Channel
ER 4	2	2.1, 2.4, 3.3, 3.4	Set-up	Time to Attach to machine
ER 6	2	1.3, 3.3, 3.4	Data Processing	Time for user to process data
ER 7	2	1.2, 1.3, 3.3, 3.4	Data Processing	Delay from capture to viewing
ER 8	2	2.3	Machining	Lifespan
ER 9	3	1.2	Data Transmission	Wireless Transmission Range
ER 10	3	3.1	Data Measurement	Measurement Accuracy

ER 1

Wheatstone Bridges are not functioning as intended.

ER 2

Unable to test rotational functionality due to ER 1 – no functionality to test.

ER 3, ER 9

Successfully able to sample data with code and Bluetooth transmission, captures of transmission on EDGE.

ER 4

Set-up time was sufficient when setting up experiments for validation.

ER 6, ER 7, ER 10

No data to process due to ER 1

ER 8

Able to test mechanical lifespan of device as a structure itself, but irrelevant for project.