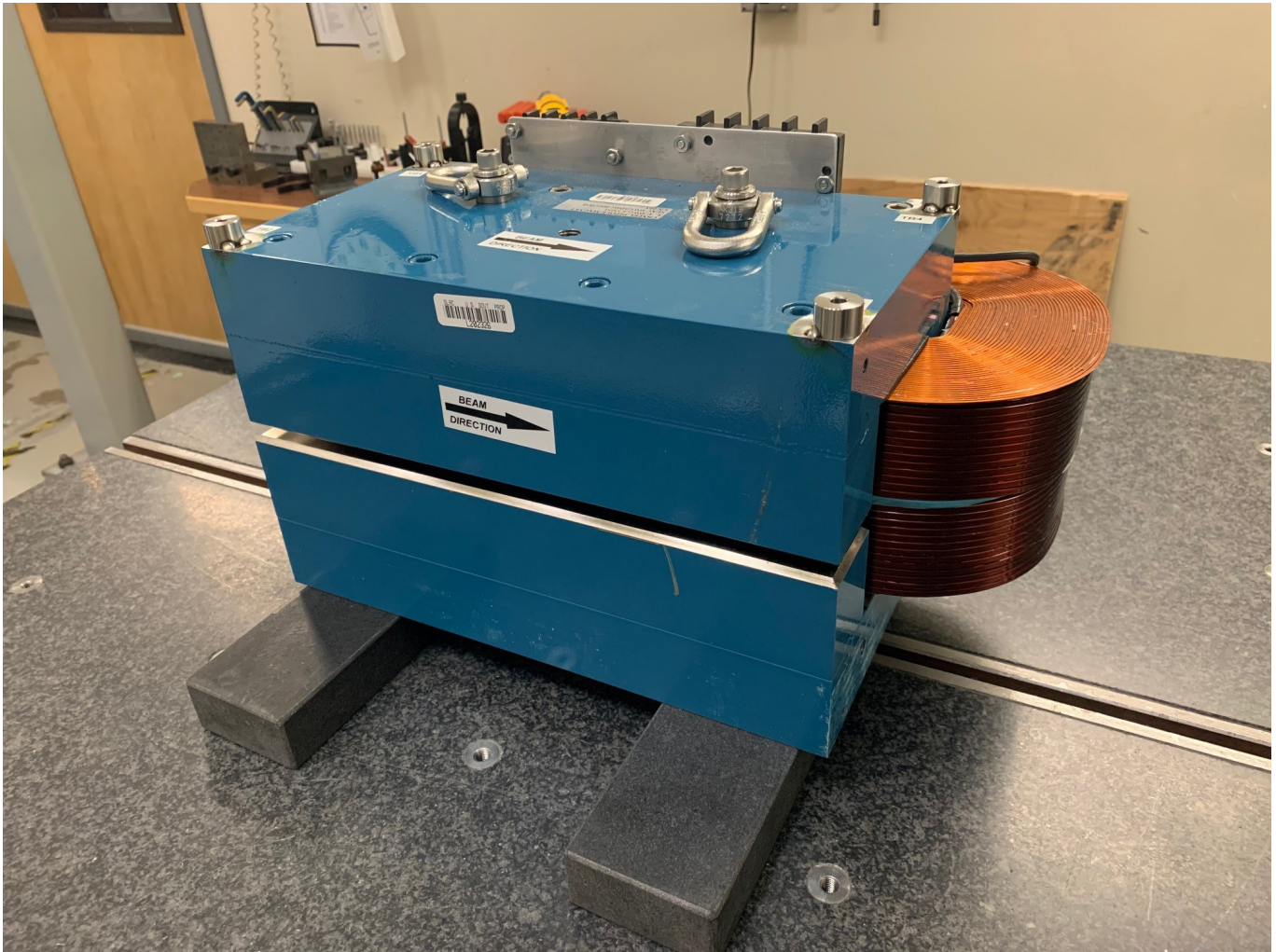


CBXFEL Magnet Fiducialization Report C-MAGNET DIPOLE ASSEMBLY - Re-Torque/Remeasurement



Inspector : K. Caban
Engineer :T. TAN
Drawing No. : DSG-000014858 R00
Barcode # : 2323-Re-Torque Remeasure
Mfg. S/N : 008

Coordinate System Setup

Spatial Alignment

Constructed using the Midplane of Upper (+Y) and Lower (-Y) Pole with the Midplane of the 2 Poles sets Y Zero and the Y+ Direction points towards the Tooling Balls/Terminal Strip.

Planar Alignment

Constructed using the Upstream (-Z) and Downstream (+Z) Ends of the poles. The Midplane from both ends sets Z Zero and +Z points towards TB 3/4 Side.

Coordinate Origins

X Origin - Symmetry Plane between side poles planes (planes parallel to the Coils)

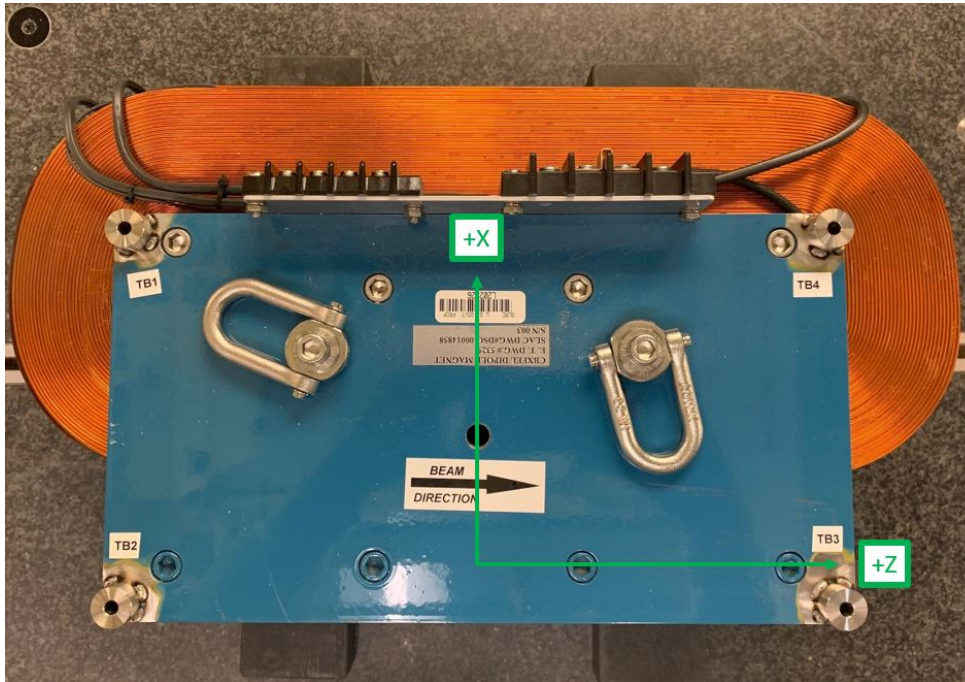
Y Origin - Symmetry Plane between the Poles (7mm/0.2756" Gap Symmetry)

Z Origin - Symmetry plane between Up Stream and Down Stream end surfaces

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Tooling Ball Locations

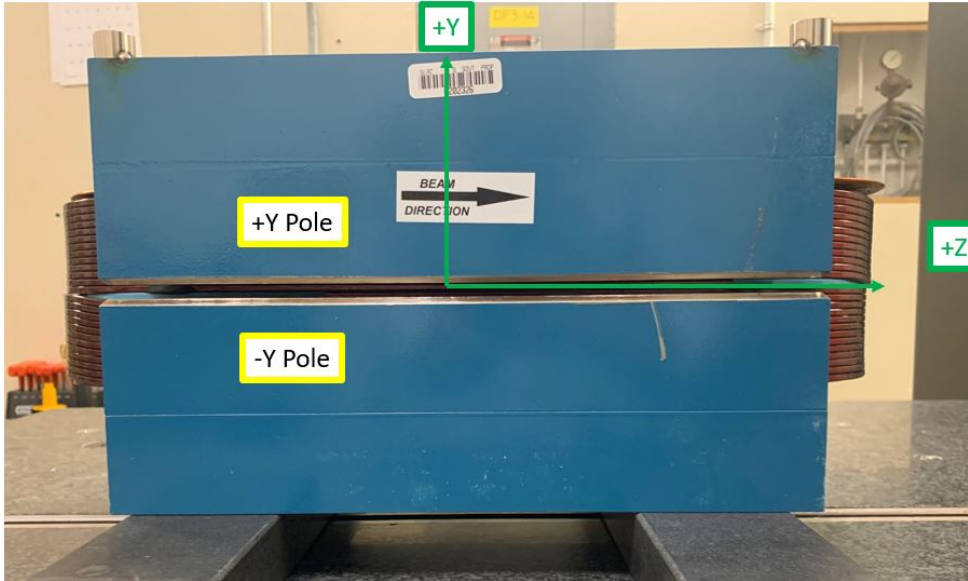


Tooling Ball	X Coord.	Y Coord.	Z Coord.
TB 1	6.2952	5.8855	-6.6102
TB 2	-0.6182	5.8856	-6.6122
TB 3	-0.6128	5.8894	6.6237
TB 4	6.2998	5.8849	6.6262
TB A	6.2977	5.1980	-6.6131
TB B	-0.6189	5.1982	-6.6138
TB C	-0.6151	5.2019	6.6268
TB D	6.2998	5.1974	6.6279

Tooling Ball Locations (1-4) are 1 inch above Tooling Ball Plane
 Tooling Ball Locations (A-D) are 5/16 inch above Tooling Ball Plane
 Dimensions in Inch

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Pole Gap Measurements, Flatness & Parallelism



	-Y Pole Fltns	+Y Pole Fltns	Pole Parallel	Avg. Gap	Min. Gap	Max. Gap
POLE DATA	0.0001	0.0001	0.0003	0.2753	0.2751	0.2754

Dimensions in Inch

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