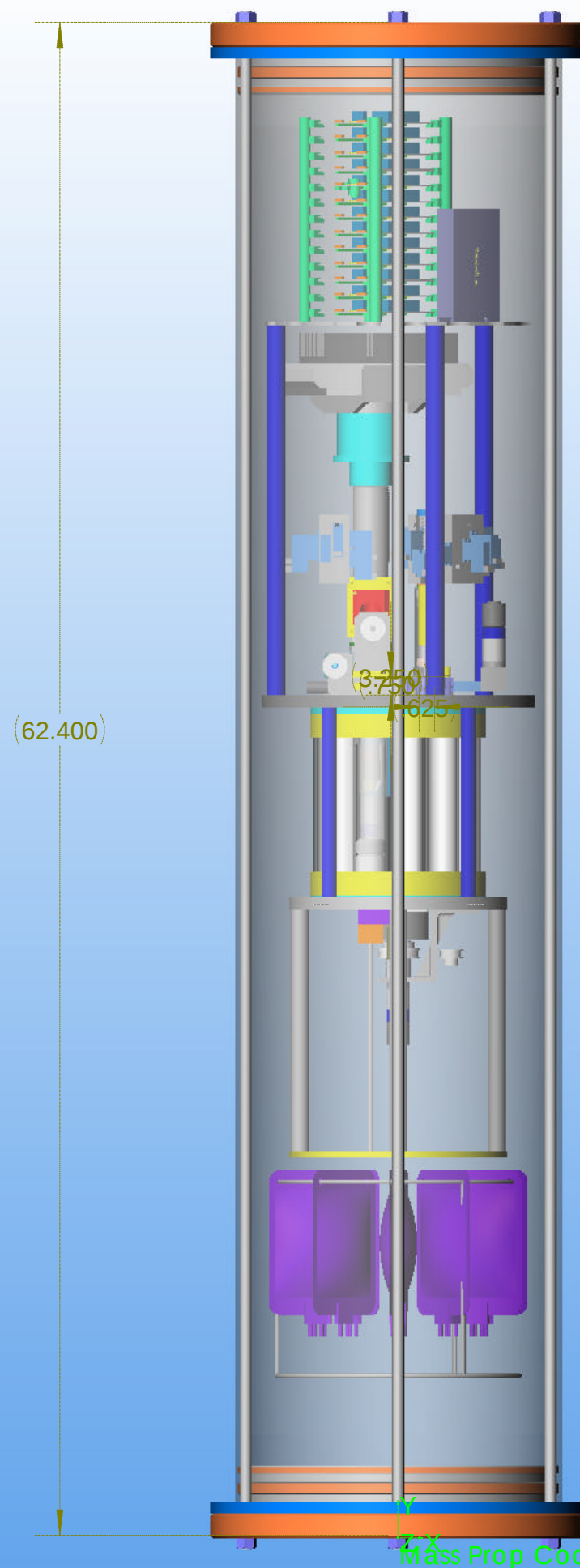




Mass properties of Delta Assembly
(Fiber reinforced Plastic FRP housing construction)

Output coordinate System : Mass Prop Coordinate System1

Mass = 169.232 pounds

Can Internal Volume = 7660 cubic inches
Can external volume = 8588 cubic inches
Buoyant Force of Can 317 lbs

Surface area = 11808.848 square inches

Center of mass: (inches)

X = -0.00

Y = 32.69

Z = -0.05

Principal axes of inertia and principal moments of inertia: (pounds * square inches)

Ix = (-0.001, -1.000, 0.001) Px = 5503.295

Iy = (-0.622, -0.001, -0.783) Py = 81400.301

Iz = (0.783, -0.001, -0.622) Pz = 81424.448

Moments of inertia: (pounds * square inches)

Taken at the output coordinate system.

Ixx = 262300.70 Ixy = -33.562 Ixz = -11.719

Iyx = -33.56 Iyy = 5504.051 Iyz = -219.450

Izx = -11.71 Izy = -219.450 Izz = 262294.542