Mass properties of Hydrogen_Blade_cand_380
    Configuration: Default
    Coordinate system: -- default --

Density = 0.00819 grams per cubic millimeter

Mass = 288 grams

Volume = 3.52e+04 cubic millimeters

Surface area = 1.57e+04 square millimeters

Center of mass: (millimeters)
        X = 30.6
        Y = 40.1
        Z = -2.15

Principal axes of inertia and principal moments of inertia: (grams * square millimeters)
Taken at the center of mass.
        I_x = (-0.23, 0.97, 0.1) P_x = 8.16e+04
        I_y = (-0.86, -0.25, 0.45) P_y = 2.58e+05
        I_z = (0.46, 0.02, 0.89) P_z = 3.34e+05

Moments of inertia: (grams * square millimeters)
Taken at the center of mass and aligned with the output coordinate system. (Using positive tensor notation.)
        L_{xx} = 2.64e+05 L_{xy} = -4.04e+04 L_{xz} = -3.49e+04
        L_{yx} = -4.04e+04 L_{yy} = 9.28e+04 L_{yz} = 1.5e+04
        L_{zx} = -3.49e+04 L_{zy} = 1.5e+04 L_{zz} = 3.17e+05

Moments of inertia: (grams * square millimeters)
Taken at the output coordinate system. (Using positive tensor notation.)
        I_{xx} = 7.29e+05 I_{xy} = 3.13e+05 I_{xz} = -5.38e+04
        I_{yx} = 3.13e+05 I_{yy} = 3.64e+05 I_{yz} = -9.82e+03
        I_{zx} = -5.38e+04 I_{zy} = -9.82e+03 I_{zz} = 1.05e+06