Mass properties of piece3
    Configuration: Default
    Coordinate system: -- default --

Density = 0.01 grams per cubic millimeter

Mass = 1639.86 grams

Volume = 207576.61 cubic millimeters

Surface area = 53409.56 square millimeters

Center of mass: (millimeters)
        X = 50.00
        Y = 28.25
        Z = 20.67

Principal axes of inertia and principal moments of inertia: (grams * square millimeters)
Taken at the center of mass.
        Ix = (0.00, 0.05, 1.00)   Px = 2847731.33
        Iy = (1.00, 0.00, 0.00)   Py = 3541417.78
        Iz = (0.00, 1.00, -0.05)   Pz = 4460525.38

Moments of inertia: (grams * square millimeters)
Taken at the center of mass and aligned with the output coordinate system. (Using positive tensor notation.)
        Lxx = 3541417.78   Lxy = 0.00Lxz = 0.00
        Lyx = 0.00 Lyy = 4456540.35   Lyz = 80069.71
        Lzx = 0.00Lzy = 80069.71   Lzz = 2851716.36

Moments of inertia: (grams * square millimeters)
Taken at the output coordinate system. (Using positive tensor notation.)
        Ixx = 5550949.39   Ixy = 2316182.41   Ixz = 1695184.79
        Iyx = 2316182.41   Iyy = 9257130.95   Iyz = 1037802.33
        Izx = 1695184.79   Izy = 1037802.33   Izz = 8259933.65