The paper presents an approach of evaluating the moulding process for production of paper bottles using Computed Tomography (CT). Moulded Pulp Products (MPP) are made of a formed, dewatered and dried mixture of pulp fibers and water. Modern industrial pulp moulding is dated back to the year 1903 when a patent for MPP production was acquired by Martin L. Keyes. With an increasing demand for environmental friendly products, researchers are now focusing on investigating advance manufacturing process for production of MPP.