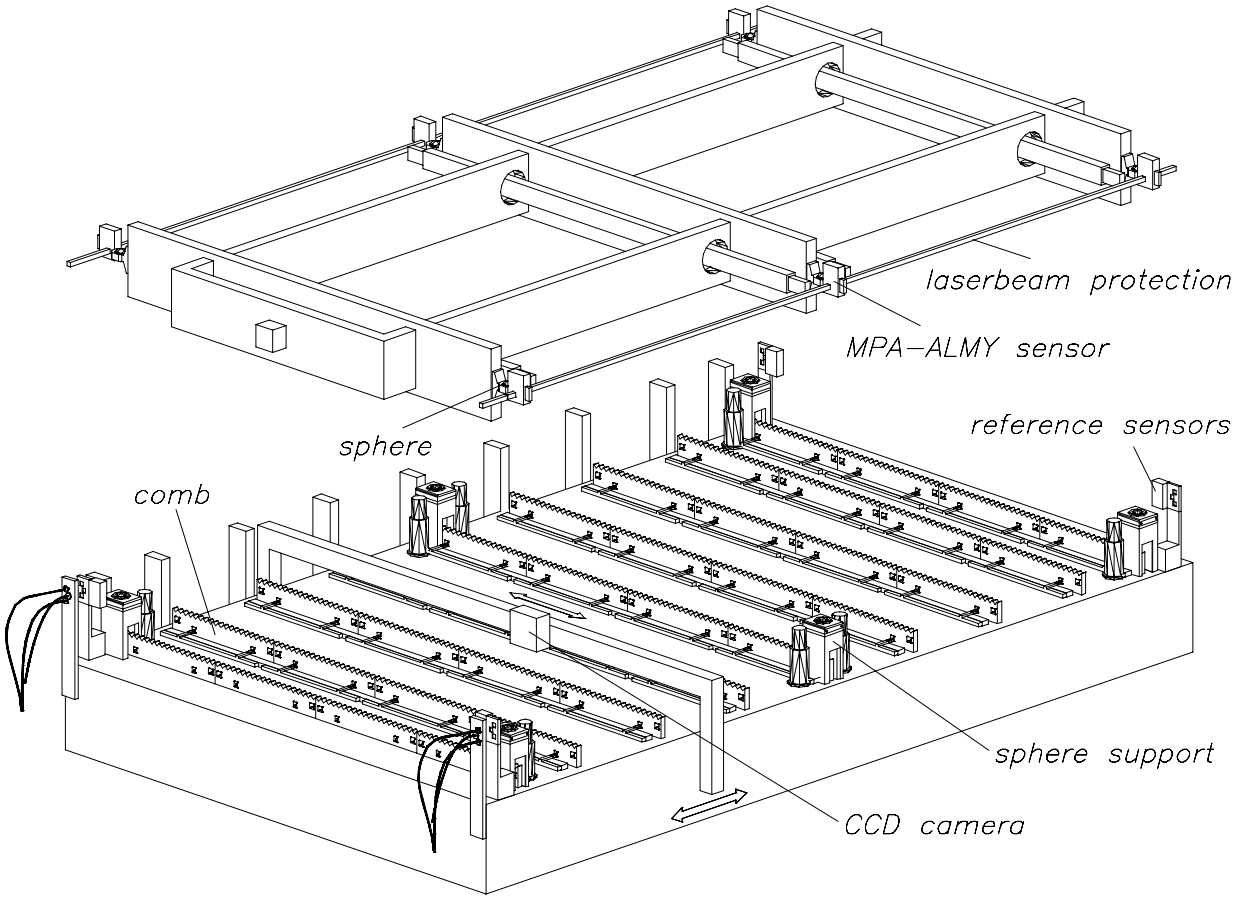MDT Chamber Assembly