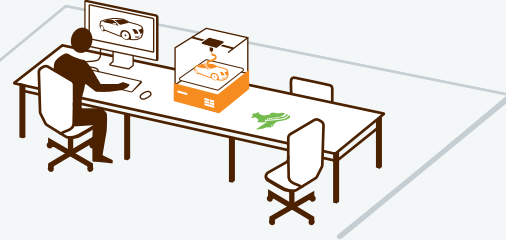


SMART MANUFACTURING

Making Things
Better, Faster,
Cheaper &
Greener with
ASTM Standards

1 Accurate 3D data for buildings, vehicles & more

Standards for 3D Imaging Systems

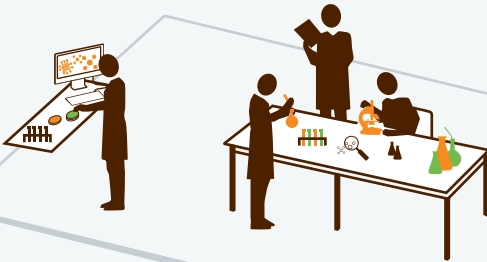


2 3D printed plastic & metal parts for aerospace, auto & other uses

Standards for Additive Manufacturing

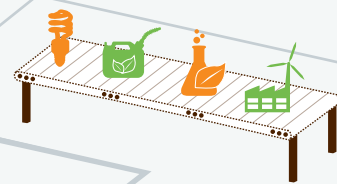
3 Safe nanomaterials in consumer products

Standards for Nanotechnology



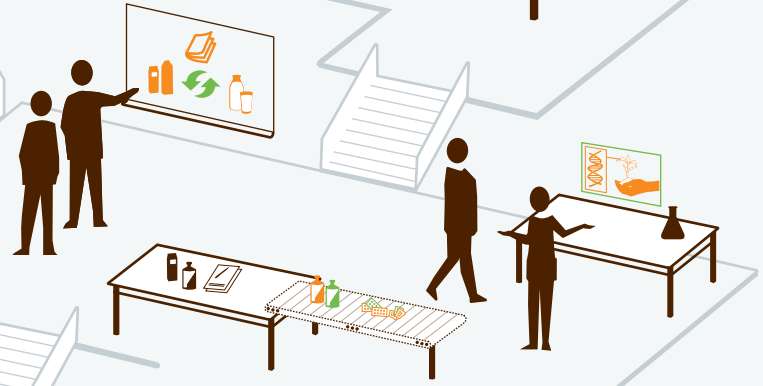
4 Sustainable manufacturing processes

Standards for Sustainability



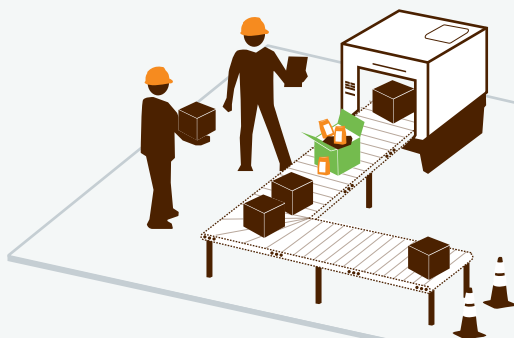
5 Biobased materials from living or renewable sources for products

Standards for Industrial Biotechnology



6 Packaging to ensure better quality, longer shelf life

Standards for Packaging



7 Better ways of making pharmaceuti- cals & biopharmaceuticals

Standards for Manufacture of Pharmaceutical Products

8 More efficient factories & warehouses

Standards for Automated Guided Vehicles

