

## NanoEngineer-1 Gallery

Welcome to the NanoEngineer-1 Gallery. From here you can visit one of four different galleries. **Structural DNA Nanotechnology Gallery** Here we feature models created by NanoEngineer-1 of DNA structures that have actually been synthesized and imaged. **Carbon Nanotube Gallery** A collection of theoretical designs in which one or more components are carbon nanotubes. **Molecular Machinery Gallery** Theoretical designs in which assemblies are composed of rigid covalently bonded components. **Molecular Manufacturing Gallery** Theoretical models of mechanosynthesis tools designed for atomically precise manufacturing. **About QuteMol** Many of the images and animations in these galleries have been rendered with QuteMol, a new open-source, interactive, high quality molecular visualization system which exploits the latest GPU capabilities through OpenGL shaders to offers an array of innovative visual effects. QuteMol was developed by Marco Tarini and Paolo Cignoni of the Visual Computing Lab at ISTI - CNR. The Nanorex team is enthusiastic about their work and look forward to rendering even more awe-inspiring images for the NanoEngineer-1 gallery.