

## Mechanical Engineering



**The field of mechanical engineering is broad, encompassing the disciplines of engineering, physics, as well as aspects of materials science.**

Mechanical engineering is applied in the design and manufacture of countless items, including small printer nozzles, large spacecraft, medical devices, and everyday consumer products.

We have prosecuted applications and obtained patent protection for inventions in various fields related to mechanical engineering, such as:

- Acoustical engineering, including noise-canceling technology
- Aerospace
- Automotive components
- Biomechanics
- Composites, such as carbon-fiber goods
- Construction equipment
- Consumer products, including electronic viewing eyewear, sporting goods, and exercise equipment
- Industrial equipment and machinery, including precision measurement tooling, injection molding, and extrusion, as well as chip manufacturing and processing
- Nanotechnology tools
- Medical devices and equipment
- Micro electro-mechanical systems (MEMS)
- Packaging, including paperboard, plastic, and composites
- Robotics

Our attorneys have prosecuted applications for a myriad of mechanical devices. The technical experience and training of our legal staff spreads across numerous mechanical fields, including aerospace, automotive, heavy industrial machinery, clean energy, and fastener technology. The attorneys of Hamilton Brook Smith Reynolds also have industry experience, including working commercial and military aviation, building manufacturing machinery, and developing software to run power turbines.