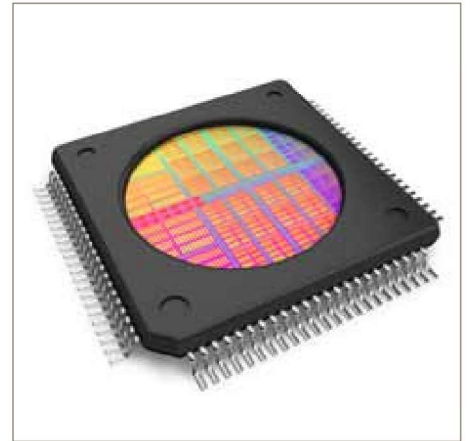


Vacuum Linear Motor

MSDK Ironless linear motor



Ironless 610Vx series:

A cleanroom is an environment maintained to ensure minimal levels of environmental pollutants such as dust, airborne microbes, aerosol particles, and chemical vapors. To ensure this happens, all equipment in the cleanroom must be contaminant free as well. When manufacturing components for use in a cleanroom, including linear mechanics, strict procedures must be followed to achieve cleanroom specifications. Parker's I-Force Ironless Linear Motors offer high forces and rapid accelerations in a compact package. It also allows motors to be used in high-vacuum environments which maximum rated at 10^{-7} torr applications.



Features & Benefits:

- Vacuum encapsulation process
 - Allows motors to be used in high-vacuum environments
 - Rated at 10^{-6} torr, currently used in 10^{-7} torr applications
- No attractive force
 - balanced dual magnet track, safe and easy to handle, no force to deal with during assembly
- No cogging
 - ironless forcer for zero cogging and ultimate smoothness
- Low weight forcer
 - no iron means higher acceleration and deceleration rates, higher mechanical bandwidth
- Air gap forgiving
 - easy to align and install

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