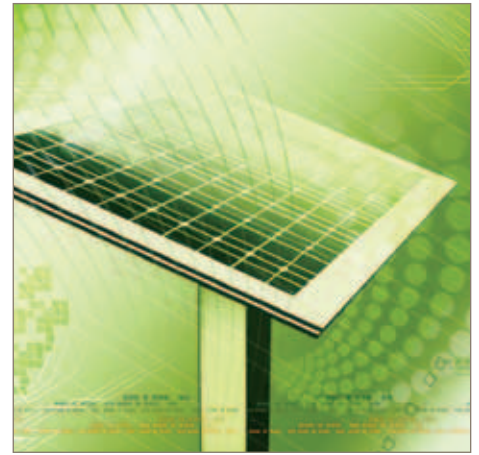


The Power of Parker

Bringing Value & Experience
to the Solar Market



Experience in Motion

Whatever your need — from precision motion components to a complete, fully-engineered motion system — Parker has the resources, ingenuity and capabilities to bring your vision to life.

Parker has produced the most advanced linear motion technology, has formed the most experienced motion systems design team and is backed by the financial resources to help drive solar panel manufacturing to capabilities bound only by imagination.



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Precision Motion Systems

Our Engineered Solutions Group has pioneered an integrated, deadline-driven design and manufacturing approach. By focusing on full-scale, sophisticated systems that use innovative linear and rotary motion technologies, we're able to deliver quality solutions to your solar challenges.

We design and build motion systems that enable your technology and increase your throughput through precise and coordinated speed. Our manufacturing expertise in large-format machines and cleanroom-compatible motion systems, coupled with our global support infrastructure, make Parker an ideal motion partner for next-generation development.

ENGINEERING YOUR SUCCESS.

Benefits

As one of industrial automation's most trusted names, Parker Hannifin is recognized as a global leader in motion control. Our nearly 100 years of experience means that you and your customers not only benefit from Parker's diversity, but you're backed by the fiscal stability and strength of a company with a proven track record of success, quality and reliability.

Parker has eight business groups to meet all your automation needs. We also offer more than 15,000 distributors and 2,000 sales representatives worldwide, providing support where and when you need it. And because we specialize in innovative products, processes and application solutions, we're as at home in the solar market as we are in the life science, automotive, packaging, semiconductor or medical industries.



Delivering exceptional value through:

Experience

- More than 30 years of motion system design experience
- Air-bearing granite systems
- Robust 24/7 design operation
- Leading-edge linear motion technology
- Gen 8/Gen 10 cleanroom with $\pm 1^{\circ}\text{C}$ control

Capabilities

- Electrical design
- Mechanical design
- Software development
- Complete system integration
- Vertically integrated manufacturing

Application Successes

- Array AOP (Automatic Optical Inspection)
- E-beam inspection & repair
- Black matrix forming
- Ink jet printing
- Panel alignment & assembly
- Substrate loading & unloading
- Liquid crystal injection
- Polarizer attachment
- Chip-on-glass
- Door lifts & load locks
- Material handling
- Glass handling
- Emergency stop sequencing and load holding

Process

- Rigorous system definition
- Sophisticated collaboration tools
- Feasibility studies
- Systematic timeline approach

Global Infrastructure

- Strategic partnerships
- Field support

Parker's Instrumentation, Seals, Connectors, Climate and Control, Energy Systems Business Unit, and SSD Grid Tie Inverters are also capable of providing you additional solutions in this alternative energy field.

**For more information, please visit us online at
parkermotion.com/solar or call us at 800-358-9070
to speak with an applications engineer.**

