Compact and Reliable Laser Cooling Solutions

Direct Cooling Systems

Direct cooling systems feature refrigerant delivered directly to a cold plate, minimizing part count and maximizing thermal efficiency.

- No pumps or reservoirs
- 100-600 Watts of cooling
- Cold plates: 25°C to -40°C
- ±0.1°C temperature control
- Efficient isothermal heat transfer
- 4x to 6x more efficient than thermoelectrics
- Hermetically sealed system - no water leaks
- >90,000 hour MTBF

Aspen Systems, Inc.

Aspen Systems supplies compact, reliable vapor compression cooling systems, specializing in applications where compact size and reliability are key parameters. We provide custom engineered or standard solutions to meet your cooling requirements.

Aspen’s Miniature Compressor

aspen.com
Aspen Systems is an ISO 9001:2008 registered company.
Chiller Systems

Chiller systems deliver coolant to a secondary cold plate or heat exchange. Chiller systems offer ultimate high thermal performance and ultimate flexibility.

- 100 to 600 W of cooling
- ±0.1°C temperature control
- 4x to 6x more efficient than thermoelectrics
- Stand alone or integrated solutions
- Customer or Aspen integration
- >90,000 hours MTBF

Contact us today
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