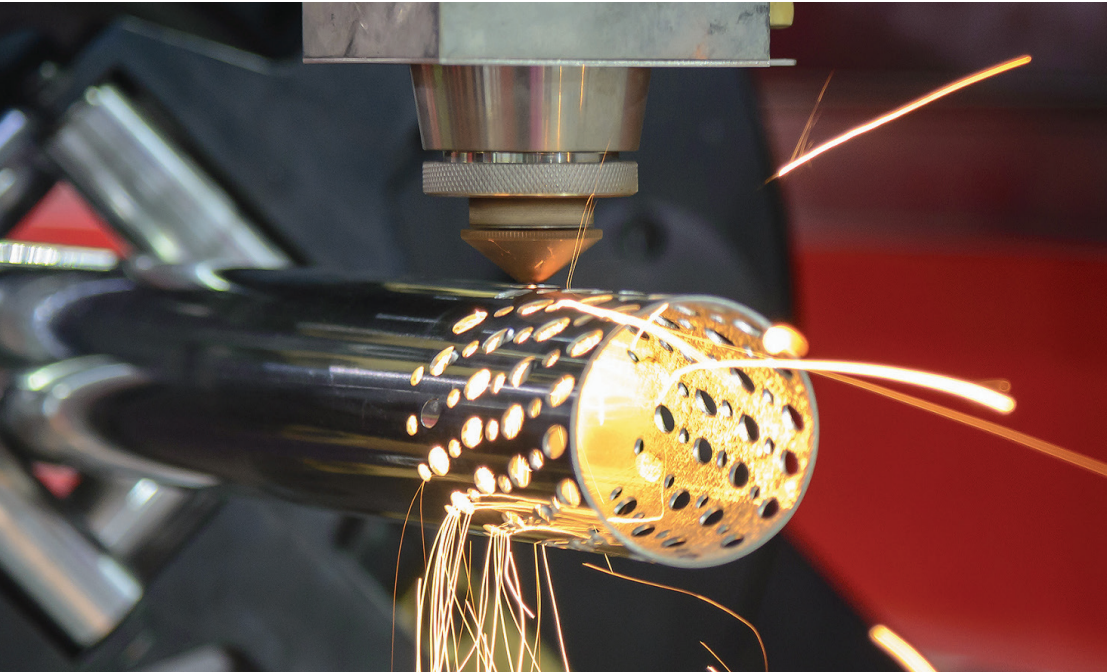


CUSTOMIZED LASER CHILLERS

Laser Systems for Fiber, CO2, YAG, Disc and Diode



Increase Laser Precision and Beam Quality

Industrial chillers are essential for managing laser temperatures. The required cooling depends on factors like laser power, efficiency, and ambient temperature. Vapor compression (VC) water chillers are commonly used to maintain resonator and optics temperatures at or below ambient, ensuring high performance and longevity. With proper controls, these chillers can maintain temperature within $\pm 0.5^{\circ}\text{F}$.

DESIGN FEATURES

- Air-Cooled Condenser, Closed Loop
- High-Flow Process Feed Pumps
- External Fluid Filters
- Designed for Water or Water/Glycol fluids (70/30)
- Fluid Setpoint 50–80°F
- Ambient Temperature Range 50–95°F
- Temperature Stability $\pm 3^{\circ}\text{F}$ (1.5°C)
- Digital Controller
- Scroll Compressor
- Brazed Plate Evaporator
- Manual Fluid Bypass Valve
- Hot Gas Regulator
- Discharge Fluid Pressure Gauge
- Float Switch - Detects Low Tank Fluids
- Stainless Steel Tank
- Refrigerant and Tank Sight Glasses
- Air Filter
- High-Flow Process Feed Pump

CHILLER OPTIONS

- Pressure Relief Bypass Valve (PRBV)
- Flow Switch for Flow Monitoring
- Anti-Backflow Kit
- Motorized Hot Gas Bypass Valve $\pm 1^{\circ}\text{F}$
- Insulation for below 60°F
- Auto Make-Up/Reservoir Refill Kits

THE DTS DIFFERENCE

- UL certified
- CSA compliant
- Industry leading 18-Months Parts and Labor Warranty
- 24/7 Global Technical Service and Support
- Next Day Parts Available on Most Models

*(Fluid temperatures and ambients can vary.
Consult factory for the effect on capacity.
Stated capacity based on 65°F fluid setpoint
and 95°F ambient.)*

**KOOLANT
KOOLERS**

**riedel°
cooling**

HYFRA

Werner Finley
Process Cooling Since 1986

Thank you for your interest in **Dimplex Thermal Solutions**. DTS is based in **Kalamazoo, Mi.**, the North American manufacturing arm of the Glen Dimplex Precision Cooling Division. DTS offers four major brands in the precision cooling market: **Koolant Koolers, Riedel Cooling, HYFRA, and Werner Finley.**

At Dimplex Thermal Solutions we pride ourselves in offering cooling solutions utilizing **Water Cooling, Air Cooling, or Glycol Cooling** with our **Koolant Koolers** brand being manufactured on-site.

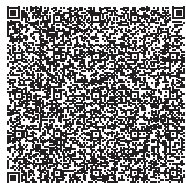
- Koolant Koolers have been manufacturing since **1952**.
- We have over 70,000 installed chillers throughout North America and beyond.
- Our equipment performs **reliably, precisely** and **consistently** under the most extreme conditions.
- Koolant Koolers chillers are built heavy-duty for low-maintenance.
- Koolant Koolers offer product selections ranging from 1/8 Ton, to over 500 ton units of cooling.

Koolant Koolers chillers have earned a reputation for their unwavering reliability in providing the market leading standard & customized solutions for:

- **Machine tool industry**
- **Food processing and packaging**
- **Medical diagnostic imaging markets**
- **Laser industry**
- **Process cooling**
- **Cannabis extraction**
- **Jacketed tanks**
- **Vacuum furnaces**
- **And more..**

Dimplex Thermal Solutions provides its customers with:

- Global perspective, with strong local connections.
- Equipment backed by 24/7, unparalleled global service and support.
- Products built in our ISO-9001 certified facility with high-quality components.
- An 18-month parts and labor warranty that redefines industry standards.
- A technical service team for assistance with installation, and maintenance.
- Service available for all systems including start-up and preventive maintenance.



Scan the QR
to Request
a Quote