

LABORATORY AND INDUSTRIAL CHILLERS



Laboratory and Industrial Chillers

Laboratory chiller and industrial chillers both remove heat from a process and recirculate a temperature-controlled fluid. Lab systems typically prioritize tight stability, compact footprints, and clean operation for instruments and small loops. Industrial systems prioritize higher cooling capacity, continuous duty, and service-friendly designs for production equipment and larger thermal loads.

General Description of ToronChill™

ToronChill™ is a chiller lineup built to support stable, repeatable temperature control across laboratory and industrial environments, including air-cooled Industrial Chiller platforms and Water Cooled Chiller solutions for facilities with cooling towers or plant cooling-water networks.

Applications

Laboratory Chiller applications

- Cooling analytical instruments, lab equipment, and measurement systems to reduce temperature drift and improve repeatability.
- Laser/optics thermal management and small process loops (jacketed vessels, compact rigs).

Industrial Chiller applications

- Laser systems, injection molding, furnaces/vacuum furnaces, fermentation/reaction tanks, welding/cutting equipment, and material testing platforms.
- Facilities with cooling towers or chilled-water networks that need low noise and no hot air exhaust to the room (water-cooled configurations).

Temperature Control System applications (EV test)

- EV motors, controllers/inverters, battery packs/modules, transmissions, and system-level cooling lines where temperature/flow/pressure stability impacts results.

Why Choose ToronChill™ ?

- Repeatable thermal control for better results: Stable temperature control helps standardize tests and reduce variability in both lab measurements and industrial processes.
- Right platform for your environment: Choose air-cooled Industrial Chiller designs for flexible placement, or Water Cooled Chiller options when your facility already has cooling water and you want low noise and minimal room heat discharge.
- Integration-ready for modern test benches: TCS systems support industrial communications like RS485/CAN/Ethernet (as configured) to fit automated EV testing workflows.
- Service-friendly and protection-focused designs: Practical maintenance access, monitoring, and protective functions help improve uptime and reduce troubleshooting time.



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