



Process Chiller Buyer's Guide

We are Challenging the Status Quo

Section Subject
Process Chiller Markets

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Guide [Click Here](#) or call.

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Potential Markets for Process Chillers



Legacy designed cooling for Advanced Laser System

Laser Applications: In the semiconductor and printed circuit board industries, lasers take on a crucial role. Lasers are also increasingly used for the production of flat panel displays, including high-resolution screens for smartphones and tablet computers, as well as large LCD and OLED displays for television sets. Another growing application field for laser micro processing is the production of solar cells, where laser structuring helps to increase cell efficiency. As the laser market evolves, the ability to remove heat becomes a critical challenge. Process chillers have become the main cooling apparatus the latest generation laser systems.

Food Production: Process chillers are in wide use throughout the world's food supply. In food processing, fluid cooling is needed for: milk (and other consumable drink pasteurization), washing of fruits and vegetables, baked goods, commercial/industrial ice machine pre-cooling, and jacket cooling.



Legacy designed cooling for milk and dairy production.



Legacy OEM designed cooling for the Patriot II Missile defense system

Military: Over the last two decades, leading military hardware producers, many within the United States, have been called to design even more durable systems for rapid deployments anywhere in the world. Unlike military hardware of two decades ago, these new systems are highly dependent on computers and other semiconductor based systems that are highly temperature sensitive. As these high-tech systems become an integrated part of the world defense, network cooling is critical. In these environments a new generation of highly durable, lightweight and compact process chillers are needed.

Semiconductor Test: As the processors that run inside popular electronic equipment such as smartphones, personal computers, servers, and industrial routers double their performance every 12-18 months, new fluid cooled test systems have entered the market. These test systems, and their extraordinary requirements for efficiency and reliability, have set the bar high for process chiller manufacturers.



Legacy OEM designed cooling for Hewlett Packard / Agilent 93000 SOC test system.

Designed and Manufactured in the USA

The Next Generation of Process Chillers - ETL Listed

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