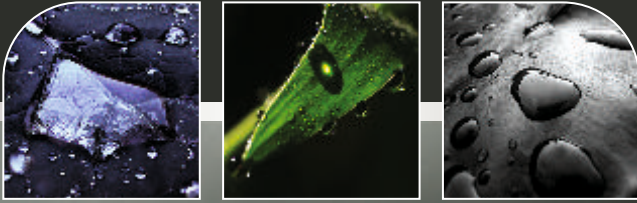


*NihonSpindle*



COOLING TOWERS



## Company Profile

### A TRUSTED GLOBAL BRAND

Nihon Spindle Cooling Towers Sdn Bhd is a subsidiary of Nihon Spindle Manufacturing Co. Ltd, a leading Japanese company in the field of evaporative heat transfer technology. Nihon Spindle cooling towers feature high performance through uncompromised quality, and are widely used for HVAC and industrial applications. Nihon Spindle Products are well-known and trusted for their reliability, low noise performance, energy and space saving design and extensive support services. Nihon Spindle has over 50 years of experience in the development of cooling towers and continues to lead the Asian market today through R&D and innovation. Our cooling towers are manufactured to JIS B8609 standards. This is a renowned high performance standard for cooling towers that is certified by the Japan Cooling Tower Institute. Our cooling towers are produced using only the highest quality components and materials. We use stainless steel 304 grade nut and bolts and hot-dipped galvanised steel for the structure and steel parts.



### KGS Series (CTI & JCI Certified)

### UX Series (JCI Certified)

#### Special Features :

##### Super Low Noise

Nihon Spindle offers cooling towers which can be designed in accordance to Japan Cooling Tower Institute (JCI) standard which in addition to manufacturing process and performance, lays emphasis on noise levels as well.

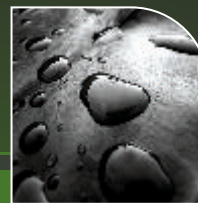
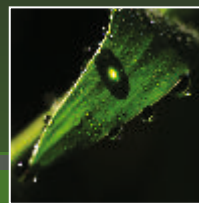
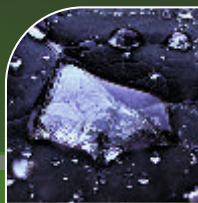
##### Energy Saving

The new series offers a much higher capacity per cell with similar footprint. The power consumption of fan can be as low as 0.010kW per m<sup>3</sup> / hour, meeting international standards and guidelines.

##### Space Saving

Footprint of our new cooling tower with high efficiency infill with integral drift eliminator is further reduced from previous generations, which can be as low as 0.026m<sup>2</sup> per m<sup>3</sup> / hour. In addition, the new series offers much higher HRT per cell with smaller footprint.





## CUF Series

### Closed Circuit Cooling Towers

The innovative CUF model contains two separate loops :

- An internal closed loop that circulates process fluid between the MC-Cu heat exchanger and process equipment, i.e. Chillers, Machinery etc.
- An external open loop that circulates water-air mixture over the entire MC-Cu heat exchanger whilst the ambient air is continuously induced through the tower via a cooling fan.

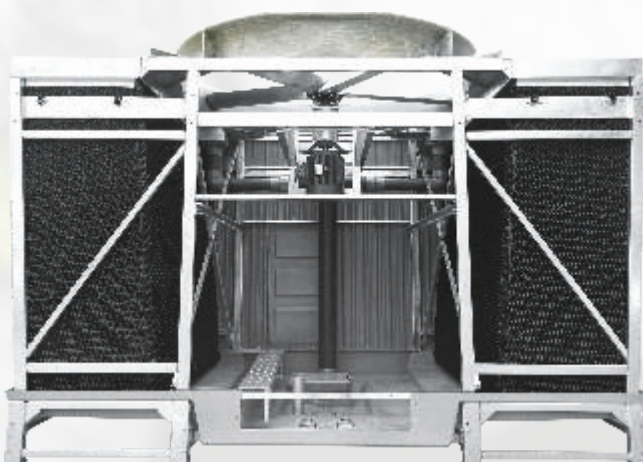
#### Key Advantages :

- The clean and contaminant-free process fluid resulting from the use of closed circuit system helps preserve a cleaner internal surface of the overall piping system, consequently providing the following benefits :
  - a. improved flow of process fluids within the system
  - b. higher efficiencies of components within the system
  - c. prolonged life span of components within the system
  - d. lower system maintenance cost



## Product features

- Cross flow induced draft design
- Maintenance friendly
- Nozzle free gravity fed design
- Hanging type infills
- Low Energy and Low Noise
- Certified performance



**CTI Standard Test Facility :** Our products undergo strict annual testing according to world-renowned CTI standards. A test facility was designed and built at our manufacturing plant in Penang, Malaysia, in accordance to the specifications by a qualified and certified CTI tester.

**JCI (Japan Cooling Tower Institute) :** The participating companies of Japan Cooling Tower Institute make use of each others' features or strengths to improve the cooling tower performance and quality and target to achieve a comfortable environment.

## Advantages

### High Performance and eco-friendly design

Our cooling towers are eco-friendly and have the advantage of lower noise levels and lower energy consumption. Our innovative space saving design requires minimum installation area. Our design also incorporates a sloping basin and outlet sump that continuously filter out harmful deposits to prevent costly damages and improve performance. Our products are manufactured to JIS B8609 standards, certified under the Japan Cooling Tower Institute.

### Crossflow Design

Better cooling efficiencies to maximize energy savings • Softer impact on the environment • Offers superior advantages in maintenance procedures • Easy access to internal components simplifies the maintenance process and reduces maintenance costs



## Some of our prestigious installations...



Honda, Rajasthan (1800 TR)



Delhi Metro (5200 TR)



Lakeshore Hospital, Kochi (2000 TR)



City Capital Mall, Hyderabad (7200 TR)



The Oberoi, New Delhi (1900 TR)

• Hotels • Healthcare • Industries • Commercial Buildings • Institutions

### EXCLUSIVE BUSINESS ASSOCIATES IN INDIA



**CANI MERCHANDIZING PVT. LTD.**

**CANI MARKETING PVT. LTD.**

CANI is an exclusive business associate for several high technology companies related to HVAC industry in India. We bring to the HVAC industry highly energy efficient solutions and a wide range of innovative products that are considered the best in the world.

In a short span of time, CANI redefined the insulation business in India with the successful launch of Trocellen Polyolefin Material which has since become an industry standard.

Therma-Fuser VAV Diffusers from Acutherm, USA offer uniform temperature distribution for individual comfort while enabling increased energy savings. These devices contribute significantly to LEED points.

Nihon Spindle cooling towers are CTI / JCI certified for guaranteed performance. They have low noise levels, low energy consumption and innovative space saving design.

CANI is an acronym for Continuous and Never Ending Improvement. Our endeavour is to constantly upgrade the industry with current and innovative technologies from across the world.

**CANI MERCHANDIZING PVT. LTD.**

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OUR PRINCIPALS :

