

## Spot cooling

### Internal **Hot Spot**

Often commercial or industrial buildings have small spaces that are hot and uncomfortable to work in. These hot spots can be caused by such things as:

- heat from machines,
- heat from manufacturing processes,
- large numbers of people, or
- trapped hot air behind large glass windows.

Often these spaces are not just hotter than the surrounding interior areas of the building, but hotter than the external conditions too. Such extreme conditions severely affect worker productivity and health, and factory efficiency and safety.

### The **intelligent** solution

One solution is to simply force-ventilate the area with outside air. However, this is not always possible as it is only effective during the cooler months of the year – in the summer, the air temperatures are still uncomfortably hot.

A better, more intelligent solution, is to use Breezair Evaporative Air Conditioning to blanket the hot spot with a flow of cool, high velocity, fresh air, designed to impact your workers whenever they are in that hot location. This is called “Spot Cooling”.

Unlike conventional air conditioning systems, evaporative cooling can provide sufficient airflow to keep a hot spot cool without the need for walls or partitions to be erected.

In this way, Spot Cooling provides a much more comfortable working environment and increased productivity.

### External **cooling**

Another useful application of Spot Cooling is for outdoor areas used for relaxation or meals. Often these areas have no walls to contain the cool air and would be impossible to cool using conventional air conditioning because it relies on recirculating and re-using of air from a sealed area.

But Breezair Evaporative Air Conditioning can easily supply a flow of beautiful fresh, cool air to those areas, because all the cooled air is exhausted naturally all the time.

### A cleaner, **healthier** work environment

Because Spot Cooling uses 100% fresh, cooled air, toxic fumes and dust are flushed from the area thus improving health and safety conditions.

### **Lower** investment cost

Spot Cooling can deliver significant productivity gains from those “problem” areas in your factory without the necessity of air conditioning the whole building.

**Breezair**®  
Advanced natural cooling

