

# Cool the Worker...Not the Workspace

## Honda Mechanics Stay Cool With UniSpot

**UniSpot** has caught on in Shreveport, Louisiana. Gene Richardson of Richardson Plumbing & Heating recently completed the installation of a 5-ton **UniSpot** at G&C Honda. The system was designed to spot cool service technicians as they repair Honda motorcycles and ATVs.

G&C was losing productivity because, on hot days, mechanics were taking frequent breaks and missing work. However, it would be too expensive to air condition the entire shop area. Richardson convinced the owner of the dealership that spot cooling the workers was a much more economical way of solving the temperature problem.

The system installed includes a metal, insulated plenum with **UniSpot** supply tubing extending from the plenum. The air handler is located outside the shop area under a weather-proof covering. 100% outside air is pulled into the return and discharge air temperatures



*3 or 4 spot cooling outlets extend down to each workstation allowing the service mechanic to stay cool as he works.*

are 25 to 30 degrees cooler than the outside air.

**UniSpot**, using natural outside air, blows streams of cooler, conditioned air where and when it's needed. By pointing the 2 inch insulated aluminum tubes in the direction of the worker, a curtain of air is created that is cooler than the stagnate air around them. When the outdoor temperature is in the high 90's, the air temperature at the UniSpot outlet will be in the mid-60's.

NASA has performed research on the effects of high temperatures in the workspace. Their study has shown that as the temperature rises, accuracy and output losses rise exponentially.

### High Temperatures in industrial areas can lead to:

- Chronic Absenteeism
- Production Declines
- Safety Problems
- Low Moral
- High Employee Turnover

**UniSpot** is the affordable solution to these types of applications. It is less expensive than roof top units, easier to install and more economical to operate.

Each kit includes the blower module, cooling coil (chill water or refrigerant), 2" supply tubing, metal plenum, black flangeless outlets, plenum insulation, condensing unit or chiller, and accessories. Three sizes are available to choose from.

Now, for G&C Honda, worker absenteeism has stayed low since **UniSpot** was installed. The mechanics and technicians remain at their workstations longer on those hot days and productivity has greatly increased.



**For more information about this Case Study, please contact:**  
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*Richardson Plumbing & Heating president, Gene Richardson, is shown outside the Honda dealership with sales engineer, Tony Richardson.*