



Cut energy costs by up to 40%

Reduce booth cycle times by 35%

Do more jobs, make more profit

Ideal for any make of spraybooth



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# Convert to waterborne basecoats and ultra high solids clears (low VOC), reduce booth cycle time and cut energy consumption

Save time, energy and money on paint drying and curing . . . **Process more vehicles, and generate more revenue**



Blower Tower with door closed



Energy costs are sky-high and look set to remain high for the foreseeable future. It's a real headache for body shop businesses everywhere. In order to remain competitive and protect ever dwindling margins, more and more body shop managers are looking at energy-saving spraybooth technology. Technology like the innovative and fully patented QADs™ auxiliary air movement (AAM) system from Junair.

## Fast, effective and designed for low VOC paints

QADs™ is an advanced AAM system that supplies additional air flow from the corners of the spray booth cabin. Developed by Junair, the QADs™ system is designed for use with coatings that are compliant with new low VOC regulations.

The clean, filtered and heated air provided by QADs™ creates the ideal environment for the fast, controlled flash-off of waterborne basecoats and the rapid through curing of high and ultra high solids topcoats.

## Consistently superb results

The disruptive airflow from the QADs™ nozzles, together with an elevated air temperature accelerates the evaporation of water from the paint coating. Unlike some systems, QADs™ covers the whole of the vehicle in one operation ensuring consistent drying of waterborne basecoats.

## Process more jobs, generate more profit

QADs™ can reduce overall paint drying and curing times by around 35%. This means that one spraybooth can handle many more jobs, substantially increasing your capacity and revenue without the need or the cost of an additional booth. The savings from lower energy consumption and the ability to process more vehicles combine to give you a rapid return on your QADs™ investment.

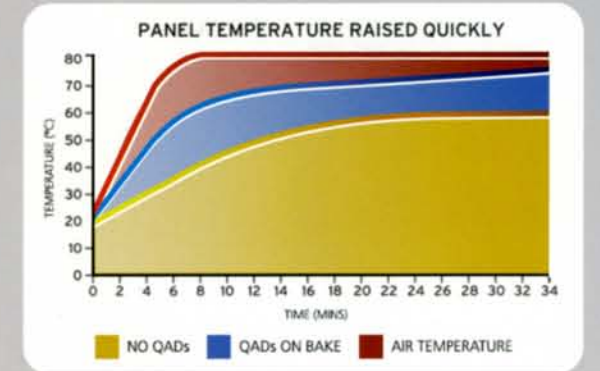
## Save up to 40% on your energy bills

Because the paint drying and curing process is so much quicker and more efficient with QADs™, you can save thousands of dollars on your energy costs through the lifetime of your spraybooth. Based on processing around 30 cars per week, you can save over \$7,000 on your energy costs in the first twelve months, and over \$36,500 over five years. The savings are even higher when QADs are fitted to a Junair 4 Series spraybooth equipped with a number of energy saving features.

## Unrivalled performance on the bake cycle

Conventional spraybooths are inefficient at raising the temperature of the vehicles' lower panels to the required curing temperature. This is because warm air rises to the top of the cabin whilst cooler air descends to the floor level. Differences of 20 - 30° F are not uncommon in conventional booths. This leads to extended baking times, taking up more valuable booth time and increasing consumption.

Heated air from QADs™, however, envelops the whole vehicle including the lower body panels, ensuring that the recommended cure temperature is achieved quickly. On most spraybooth ovens QADs™ will achieve the lower panel temperature of 60°C /140°F within the 10-minute period specified by many of today's paint manufacturers.



## Clean and contamination-free accelerated air flow

Unlike all other auxiliary air movement systems, QADs™ draws air from the input plenum. This clean air is then filtered with over 11 square feet of 10 micron filter media. The QADs™ blower tower nozzles are protected from overspray during the spray cycle by automatically operated doors, as well as by the positive air pressure inside the blower towers. These patent protected features produce incredibly clean, turbulent air. Furthermore, unlike other AAM systems where blowers are ceiling mounted or blower towers are attached high on the cabin's side panels, QADs™ blower towers are specifically positioned in the booth to prevent air flows from striking the booth floor and disturbing dust.

Cut cycle time . . . cut energy costs						
ENERGY COST & SAVINGS based on 30 jobs per week in an average spraybooth oven						
E-COST	ENERGY COSTS per <sup>1</sup>	Job	Week	Year	5 Years	10 Years
	Direct gas fired spraybooth no energy saving technology	\$12.12	\$363.60	\$18,180	\$90,900	\$181,800
- QADs SPRAYBOOTH OVEN WITH JUNAIR TECHNOLOGY						
	Booth with QADs™ On Bake	\$7.23	\$216.90	\$10,845	\$54,225	\$108,450
	JUNAIR 4 Series Booth* with QADs™	\$3.41	\$102.30	\$5,115	\$25,575	\$51,150
= SAVE POTENTIAL SAVINGS per						
	Booth with QADs™	\$4.89	\$146.70	\$7,335	\$36,675	\$73,350
	JUNAIR 4 Series Booth* with QADs™	\$8.71	\$261.30	\$13,065	\$65,325	\$130,650

\* Junair 4 Series Booth includes: Production Pack - QADs on Bake  
Economy Pack - Multi-step VFDs, FS (Fuel Saver) Mode

<sup>1</sup>Using natural gas cost of \$11.00/mcf and electricity cost of \$0.095/kwh



Stacked QADs Blower Towers

Over 4,000 QADs installations worldwide . . . and growing daily!



## The benefits at a glance

- Fast flash-off time 3 – 7 minutes solvent or waterborne basecoat
- Ultra High Solids clear/solid baked in just 25 minutes
- Total cycle time for waterborne base and UHS clear job of 1 hour
- Cuts energy consumption by around 40%
- Eases the common body shop bottleneck
- Can reduce the number of booths required, releasing useful floor space
- Reduces the need for fast activators - less inventory, less cost
- Clean in operation – air filtered to just 10 microns
- Covers the whole vehicle
- Not compressed air driven
- Adjustable nozzles for painting panels off the vehicle

## Additional benefits with QADs™ SN

- Reduces dirt in the paint job
- Improves color matching, especially with light metallic colors
- Reduces substrate "grinning through" especially in tight body lines

## A wide range of options

The QADs™ system is available with a wide range of options, which offer further performance improvement and significant additional savings in energy consumption and costs

**QADs™ Manual** - Includes manually operated blower tower doors and simple controls with automatic shut-off timer

**QADs™ Automatic** - Includes pneumatic blower tower door operation and fully automatic control panel

**QADs™ on Bake** - In addition to QADs™ Automatic features, includes elevated temperature control during flash-off and engages QADs™ during bake cycle

**QADs™ SN** - In addition to QADs™ on Bake features, includes static neutralization system to neutralize static electric charge prior to painting and reduces it throughout the spraying, flash-off and baking processes.



QADs™ SN Blower Tower

**QADs™** used & recommended by all major paint manufacturers

**QADs™** world leader with proven technology and over 10 years experience



Junair 4 Series Spraybooth

## Want to know more?

For more details about QADs™ and other energy-saving spraybooth equipment from Junair, call us Toll Free at **866-3 Junair** (866) 358 6247 or, email [sales@junairamericas.com](mailto:sales@junairamericas.com). Or visit our website at [www.junairamericas.com](http://www.junairamericas.com)



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