



## Nitrogen Technologies Evaluation Package

### ***Evaluation Introduction***

As the results and testimonials show Nitrogen Technologies Systems will significantly reduce material and labor cost while improving quality. The amount of savings and increased production do vary based on many variables such as:

- Paint material used
- Price paid for materials
- Type of product painted
- Painter techniques and training
- Shop layout & production capacity

We have developed a complete and accurate system to estimate the probable material and labor savings and expected increase in productivity based on your shops actual data and our field experiences. After completing step 2 you will be able to evaluate the projected production increase and material savings and ROI that the Nitrogen Technologies will provide in your facility. After step 3 you will have actual proof of the improved quality and material and labor savings obtained in your facility.

**It's as easy as 1, 2, 3, to improve quality, reduce costs, and increase production.**

### ***Nitrogen Technologies 3 Step Evaluation Process***

#### **Step 1**

Complete and fax the enclosed documents to Haydell Industries.

- Facility and Liquid Cost Information
- Spray Booth Log (minimum 3 days or 18 cars)
- Fax completed forms to Haydell Industries 337-989-0307 Attn: Evaluation

#### **Step 2**

We will prepare a detailed estimated savings and ROI based on your information and research at actual installations with similar data.

#### **Step 3**

If after reviewing the estimated savings and ROI you are interested in installing Nitrogen Technologies Systems in your facility we will arrange for an installation in your facility, to verify the savings and quality.\*\*

*\*\*With the current demand for demonstrations and installations of Nitrogen Technologies Spray Systems we will only schedule on site demonstrations for companies which have completed steps 1 and 2 of the Evaluation Process and or have placed a deposit.*

---

Systems & Solutions for Productivity

163 Pellerin Road Lafayette, LA 70506  
Ph 337-984-4993 337-989-0307 Fax 1-800-877-4362 US & Canada



## Nitrogen Technologies Evaluation Package

### Instructions for Step 1 forms

#### Facility and Liquid Cost Auto Refinish

*The accuracy of the ROI and calculated savings and production increase will be based on the quality of the numbers submitted on the forms.*

#### Company Information Self explanatory

##### Sales and Cost Information

If your recent monthly sales are a good average for your business then monthly figures are fine for total sales. With material sales and especially material costs a monthly and annual or a quarterly average will be significantly more accurate.

Total Sales	the total monthly and annual sales for your shop
Material Sales	Enter the monthly & annual material sales figures
Material rate per hour	Enter your current materials rate per paint hour
Paint hour sales	Enter the monthly and annual total paint hours
	If this number is not available enter total dollars
Material costs	Monthly and annual material cost
Liquid cost	Enter total liquid cost monthly and annual

##### Paint Information

Paint Manufacturer Base	List Manufacturer Example ( Dupont or BASF)
Base Product	Type of base example (Chromabase or global)
Mix Ratio	Base to reducer example (1 to 1 or 2 to 1)
Paint Manufacturer Clear	List clear manufacturer if different from Base
Clear Product & Number	List clear Type and Number example (dupont 7200 BASF 90)
Mix Ratio Clear	Base to reducer example (1 to 1 or 2 to 1)

##### Shop Information

Number of spray booths	Total number of booths and circle yes or no for heated
Number of prep stations	list number of prep stations that you paint or prime in
Total Shop employees	List total employees that work in shop
Paint Shop employees	List total of paint shop employees and number of painters

##### Compressor Information

Accurate compressor information is required to determine if the Nitrotherm units will work with your existing air capacity and quality.

Identify each compressor that supplies the paint shop.

HP and Type of compressor is critical as well as confirming if you have a air cooled after cooler or Dryer

For questions email [info@haydell.com](mailto:info@haydell.com) or call the office

---

#### Systems & Solutions for Productivity

163 Pellerin Road Lafayette, LA 70506  
Ph 337-984-4993 337-989-0307 Fax1-800-877-4362 US & Canada

# Spray Booth Log Instructions

*The spray booth log is to be filled out by the painter or paint shop manager during production. This log will be the benchmark for documenting the time and material savings you will obtain with the Nitrotherm. With an accurate log we will be able to provide a complete estimate of time and material savings and to prove it by recording a new log during the on site demonstration.*

## ***Spray booth log header***

By filling in the Date, spray booth number and painter name it will be easier to gather information which might be left out or corrected. Listing the paint type, base and clear mix ratio's and gun information only needs to be done once.

## Individual Job Data

Most of the areas are self explanatory but an explanation follows

Ro#	Your internal repair order number used to access the estimate.
Time In	The time the car was placed in the spray booth
Time Out	The time the car was taken out of the spray booth (delays noted in comments area)
Bake Time	The bake time for the car (Bake time included in Total time)
Paint Hours	List the total paint hours for the job
Color	Color list description and number example (silver met. #3570)
Base Coat Quantity mixed	Enter the weight of base mixed by ounce or gram from the scale. In order for the before and after weight to be accurate you need to measure the liquid in the gun or gun cup the same way before and after spraying.
Number Base Coats	List the total number of coats applied
Base Coat Left Over	Measure the amount of base left the same way as the original quantity was mixed
Clear Coat Quantity mixed	Enter the weight of clear mixed by ounce or gram from the scale. In order for the before and after weight to be accurate you need to measure the liquid in the gun or gun cup the same way before and after spraying.
Number of Clear Coats	Enter the number of clear coats
Clear Coat Left Over	Measure the amount of clear left the same way as the original quantity was mixed
Comments	Note the time of any major time delays such as lunch or meetings which would effect the time in or time out for a car. Also note any problems such as mottling or quality comments.

Complete log for a minimum of 3 days or 18 cars. The longer the log the more accurate the evaluation will be.

# Nitrogen Technologies Evaluation

Step 1 part 1

## Facility and Liquid Cost Information

<i>Company Information</i>					
Company					
Street Address					
City State Zip					
Contact					
Phone #					
Email Address					
<i>Sales &amp; Cost Information</i>					
Total Sales		Monthly		Annual	
Material Sales		Monthly		Annual	
Material rate per hour					
Paint hours Sales		Monthly		Annual	
Material Costs		Monthly		Annual	
Liquid Costs		Monthly		Annual	
<i>Paint Information</i>					
Base Coat					
Paint Manufacturer					
Base Product					
Mix Ratio (if Solvent)		Base		Reducer	
Clear Coat					
Paint Manufacturer Clear					
Clear Product & Number		Product		Clear Number	
Mix Ratio		Base		Reducer	
<i>Shop Information</i>					
Number of Spray Booths		Heated	Yes	No	
Number of Prep Stations		Heated	Yes	No	
Total Shop Employees					
Total Paint Shop Employees		# of Painters			
<i>Compressor Information</i> <span style="float: right;"><i>circle one</i></span>					
Main Paint Shop Compressor		HP	Type	Screw	Piston
2nd Paint Shop Compressor		HP	Type	Screw	Piston
Air Cooled After Cooler				Yes	No
Refrigerated Dryer				Yes	No

*This information is confidential and is only to be used for the purpose of evaluating the benefits of Nitrogen Technologies Spray system*

## Step 1 part 2

## Spray Booth Log



Company		Paint Manufacturer	Paint Brand	Base Mix Ratio
Date		Base gun Type_____ Model_____ Tip_____	Clear Coat Mix ratio	
Spray Booth #		Clear gun Type_____ Model_____ Tip_____	Painter	

#1	Painter		BASE COAT			CLEAR COAT		
RO#		Total Paint Hours on repair order	Mixed Quantity of Base weight	Number of Base Coats	Base Left over weight	Mixed Quantity clear weight	number of clear coats	Clear left over weight
Time car enters booth								
Time car exits booth		Color Number and Description						
Bake Time		comments						

#2	Painter		BASE COAT			CLEAR COAT		
RO#		Total Paint Hours on repair order	Mixed Quantity of Base weight	Number of Base Coats	Base Left over weight	Mixed Quantity clear weight	number of clear coats	Clear left over weight
Time car enters booth								
Time car exits booth		Color Number and Description						
Bake Time		Comments						

#3	Painter		BASE COAT			CLEAR COAT		
RO#		Total Paint Hours on repair order	Mixed Quantity of Base weight	Number of Base Coats	Base Left over weight	Mixed Quantity clear weight	number of clear coats	Clear left over weight
Time car enters booth								
Time car exits booth		Color Number and Description						
Bake Time		Comments						

#4	Painter		BASE COAT			CLEAR COAT		
RO#		Total Paint Hours on repair order	Mixed Quantity of Base weight	Number of Base Coats	Base Left over weight	Mixed Quantity clear weight	number of clear coats	Clear left over weight
Time car enters booth								
Time car exits booth		Color Number and Description						
Bake Time		Comments						

#5	Painter		BASE COAT			CLEAR COAT		
RO#		Total Paint Hours on repair order	Mixed Quantity of Base weight	Number of Base Coats	Base Left over weight	Mixed Quantity clear weight	number of clear coats	Clear left over weight
Time car enters booth								
Time car exits booth		Color Number and Description						
Bake Time		Comments						

Nitrothem Spray Technology Improve Quality✓ Reduce material costs✓ Paint more cars in less time ✓✓ Make More Money ✓✓✓