

Does today's **competitive market** require you to provide: Faster Response, Better Service, Added Value, Lower Costs ?

**Lean Manufacturing & Six Sigma** are the tools to achieve these goals

How do Companies Using **Lean Sigma** Compare?

Benchmark	Good U.S. Print Company	Lean Sigma Print Company
Inventory	6-12 turns/yr	24-110 turns/yr
Lead Time	Weeks or Months	Hours or Days
Quality	% Defects (Parts per 100)	PPM Defects (Parts Per Million)
Customer Satisfaction	>90%	100%
Productivity Gains	4% per year	2% - 3% per month



*with Lean Sigma*

INVENTORY reduced by 50% or more  
 CUSTOMER SERVICE improved to 99 -100%  
 LEAD TIME cut from days to hours  
 DEFECTS/ERRORS down 50% or more  
 PRODUCTIVITY up 25% - 50% or more



# Lean Sigma for Printers

USING A **SCIENTIFIC APPROACH** TO IDENTIFYING YOUR AREAS OF OPPORTUNITY, WE'LL HELP YOU **MEASURE** WHAT IS TRULY IMPORTANT & ASSIST YOU IN **SUSTAINING** YOUR IMPROVEMENTS

For more information visit us at: [www.NazdarConsulting.com](http://www.NazdarConsulting.com)  
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## What is Lean Sigma?

### LEAN MANUFACTURING

Focuses on reducing waste by mapping all the activities needed to make your product and then working to improve "flow" to make your processes as efficient as possible

### SIX SIGMA

Aims at reducing variation in manufacturing processes. Using a five-step, systematic method known as DMAIC and in-depth statistical analysis, defects are reduced and overall quality improved

## How do you select the best approach?

**You don't have to choose!**

NCS can help drive rapid, high-impact business improvement throughout your company by merging Lean Manufacturing and Six Sigma into a comprehensive approach to improvement.

## How we do it?

Our proven Chromatix™ methodologies make the printing process predictable, significantly increasing the results of Lean Sigma

We have the ability to understand your issues at the boardroom level and then roll up our sleeves to work side-by-side with you on the plant floor.

Our consultants have a unique mix of graphic imaging industry experience and Lean Sigma knowledge to apply the correct tool or analysis necessary to solve any problem.

## Nazdar Consulting Services

provides a full range of programs based on Lean Sigma principles. Because every organization is unique, we tailor packages to meet the requirements of each project. Drawing upon Six Sigma and Lean manufacturing methodologies, our consultants identify the most efficient means to transform ineffective practices into lean processes.

### OUR APPROACH

Before we begin an assignment, we detail the impact you can expect on business results with our complimentary Impact Assessment. Each project follows these process steps:



#### STEP 1: DEFINE WHAT IS IMPORTANT

Ultimately, Lean Sigma is about solving a problem with an unknown solution. In this phase we define in concrete operational terms what the problem is and identify the key factors that have the greatest impact on business results. A map is created of the process to be improved.

#### STEP 2: ASSESS CURRENT PERFORMANCE

The process is studied to develop an understanding of the key steps and inputs to the process. We will also explore all of the possible ways the process could fail to ensure preventive actions are in place. Valid and reliable metrics are put in place to track progress.

#### STEP 3: DETERMINE ROOT CAUSE

Through analysis, we will determine the causes of the problem and how to eliminate the gap between current and desired performance.

#### STEP 4: DESIGN NEW PROCESS

Working with your team, the right solution is identified, evaluated and selected. A change management strategy is also developed to assist the organization with implementation.

#### STEP 5: IMPLEMENT CONTROLS

In the final stage, tools are put in place to ensure key variables stay in acceptable ranges so that improvements gains are maintained over time.

## LEAN SIGMA TRAINING

This course provides an overview of Lean Sigma with a focus on how these concepts relate to actual issues facing print shops today.

### DAY 1

- Why is Lean Sigma needed?
- What is Lean?
- How to identify waste
- Mapping customer value
- What is Kaizen?
- Improving process flow

### DAY 2

- What is Six Sigma?
- DMAIC methodology and tools
- Keys to success
- Examples of print shop applications

## Why change?

- increased productivity
- increased profits
- lower cost through elimination of waste
- improved workflow
- increased capacity

## visit us Online

For more information visit  
[www.NazdarConsulting.com](http://www.NazdarConsulting.com)

