

Resumé
Robert A. Luciano, P.E., CPP

I. Work History:

1972 - Present - Robert A. Luciano Associates (RAL)

Lebanon, New Jersey 08833

President

RAL is a Consulting Engineering firm that specializes in the areas of Packaging Machinery, Packaging Operations, Automation, Robotics and Package Design. The projects handled are primarily for large consumer type product companies and the principal workload emanates from the Pharmaceutical, Cosmetic, Food, Household Products, Toilet Articles, Medical Devices, and Chemical Industries. The Robert A. Luciano Associates organization is, basically, an individual consulting firm; however, through networking programs with other professionals in the field many major projects have been successfully accomplished over the years and many familiar corporations and brand names have been serviced (e.g. Johnson & Johnson, Kraft/General Foods, Schering Plough, Pfizer, Warner-Lambert, Xerox, Nabisco, and many more). Typical projects range in scope from simple, one man troubleshooting types of missions to comprehensive packaging line engineering services that might last as long as two years and require major network participation.

Over the last several years the firm's list of services offered has been expanded to include Expert Witness and Forensic Analysis services. While still not the major segment of the engineering capabilities being offered by the firm, significant expert projects have been successfully completed in the following areas of Packaging Machinery oriented cases:

- **Industrial Accidents:** Forensic Analysis and Expert Testimony
- **Machinery Malfunctions:** On-site Analysis and Expert Testimony
- **Patent Infringement:** Machinery Analysis and Opinions
Expert Testimony

A more comprehensive client list is enclosed along with a brochure describing Robert A. Luciano Associates and the full line of services it can provide. The expert witness experience is listed separately. Specific details concerning any of the listed clientele and the specific projects performed will be provided upon request providing they are not covered by non-disclosure agreements.

1990-2002 **Luciano Packaging Technologies, Inc. (LPT)**
 (Retired) Somerville, New Jersey 08876
 President

LPT is an Applied Engineering/Consulting Firm that specializes in Packaging Line Integration, Special Automation, Package Design, and the development of Special Machinery and Control Systems. It's stated mission is the "Integration of High Technology Packaging Systems." The company was formed as an off-shoot of Robert A. Luciano Associates to handle the increasing demand for the performance of larger projects emanating from successful liaisons performed by Robert A. Luciano Associates. The company employs approx. 25 people, the majority of whom are either professional engineering or high level technical design personnel. Although all size projects are accepted, typical projects undertaken by the firm are normally in the \$100,000 to \$2MM range. Some typical recent completed Packaging Operations projects include several well-known national brand products (e.g., Accuvue Disposable Contact Lens, (J&J); Jello Puddings and Log Cabin Syrup, (Kraft/General Foods); Veterinary Antibiotic Brands (Pfizer); Listerine Mouth Wash (Warner-Lambert); and Birth Control Tablets (Berlex, Warner Lambert, Organon).

I, personally, performed the duties of the Chief Executive Officer of this company until I retired. I also performed directly, or personally directed, the creative concept portions of all of the projects performed by the company. This included all physical and mechanism concepts as well as the functional logic requirements for their associated control systems. Following through on these activities, I directed, through my staff, the implementation of the resulting applied programs.

1964-1972 **Ortho Pharmaceuticals, Inc. (Johnson & Johnson)**
 Somerville, N.J. 08876
 Senior Project Engineer/Manager of Packaging Engineering

My original position at Ortho was as a Senior Project Engineer in charge of developing and implementing the Automatic Packaging Operations required for Ortho's line of their new (at that time) birth control tablet products. During my eight years at Ortho, this position grew, under my direction, to be the Manager of the Packaging Engineering Department (composed of 4 Sub-Departments: Packaging Equipment Engineering; Package Design; Industrial Engineering; and Packaging Machinery Maintenance).

The Ortho-Novum line of Tablet products sales volume grew from 2.0MM to 50.0MM packages/year during this time period. They were produced both nationally and internationally at three locations. Both the need for engineering services for Ortho's packaging operations, as well as, the associated need for package designs for their products, expanded greatly during this extremely intense growth period. Under my planning and direction my team grew to fulfill these needs.

During that time period many successful automatic packaging lines and automation projects were designed and implemented, either directly by me or by my staff under my direction. In addition many new, novel package forms were designed and developed by my team. I hold patents on several. Typical automatic packaging machinery operations included Package and Product unscrambling; Filling (Tablets, Liquids, Powders, Creams, Collapsible Tubes); Capping; Labeling (Glue, Heat Sensitive, Pressure Sensitive, Roll Feed, Die Cut); Pouch and Strip Packaging; Overwrapping; Bundling; Cartoning; Case Packing; Accessory On-Line Operations (Printing, Hot Stamping, Leaflet Feeding, Registration); Automated Detection and Control Systems; and Special Conveyorization Systems including Automatic Product Traffic Control.

1960-1964 Colgate Palmolive Co.

New York, New York

Design Engineer/Automatic Machinery Development Engineer

The projects I handled progressed from Packaging Line Design and Implementation to Development Responsibility for new product automation machinery. Types of products included Toothpastes, Soaps, Shampoos, Detergent, (Liquid and Powder), Toiletries, Mouthwashes, Cleansers, etc. Sales volumes for these products were high and typical line speeds were in the order of 200 to 300 packages/minute. The types of operations required were similar to those listed above for Ortho Pharmaceuticals (e.g., Fillers, Labelers, Conveyorization, etc.) except that speeds were higher and capacities larger. The design and implementation of special conveyor and product handling systems, including extensive automatic control systems, formed a large part of my workload; especially, in my latter years at Colgate.

1956-1960 Rayonier, Inc.

Cedar Knolls, New Jersey

Machine Designer

This position entailed the design and implementation of special machinery in the customer applications department of this supplier of high-grade cellulose for the manufacturer of cellophane and rayon products. Typical machinery projects included wrapping machinery; web converting machinery (slitters, edge guiding, registration, tension control), winding equipment for film and fibers, automatic machinery control systems, rayon spinning machinery, film casting machinery, and automatic process control systems.

1951-1956 Bell Telephone Laboratories, Inc.

Whippany, New Jersey
Jr. Draftsman/Senior Draftsman

This was my first job after high school. I successfully completed the two year company course for mechanical and electrical design. Projects included the preparation of Schematics; Wiring Diagrams; Logic Diagrams; Wiring Harnesses; and Mechanical Layout, Assembly, and Detail Drawings for special Radar and Guided Missile Systems. During my tenure at Bell Laboratories, Inc. the transistor was invented and I participated in some of the earliest circuit designs using these devices and, also, the design of some of the very earliest printed circuit systems and devices.

II. Education:

- 1951 Morristown High School, Morristown, New Jersey
- 1953 Bell Telephone Laboratories: two year course.
Mechanical/Electrical Design
- 1963 B.S.M.E.: New Jersey Institute of Technology (NJIT),
Pi Tau Sigma, Honorary Mechanical Engineering Fraternity
- 1966 M.S.: New Jersey Institute of Technology (NJIT).
Majors in Advanced Machine Design and Engineering
Management

III. Professional:**A. Engineering Certification:**

- 1967: P.E., New Jersey, Certification # 15604
- 1984: P.E., Rhode Island, Certification # 4695
- 1986: P.E., Puerto Rico, Certification # 9585
- 1990: CPP, Certified Professional in Packaging

B. Institute of Packaging Professionals (IoPP):

IoPP is the Professional Association of the Packaging Industry. At the time I was Chairman, IoPP was composed of approximately 7,500 members. I had been actively involved in many activities of the Institute for some 42 years before my retirement.

- * Past Chairman of the Board
- * Past President of this
National Professional Organization
- * Professional Member since 1960
- * Twice Chairman of the Metropolitan NY Chapter
- * Founding Member of the NJ Chapter
- * Founding Member and original Chairman of the
Packaging Consultants' Council
- * Member of the National Executive Board
- * Selected as "Member of the Year" in 1990
- * Elected "Fellow" of the Institute in 1996
- * Attained CPP (Certified Professional in Packaging) ranking in 1996
- * Elected "Life Member" of the Institute in 2002

C. Miscellaneous Professional Activities:

1981: Senior Member of Robotics International

1981: Senior Member of Manufacturing Engineers

1983: Who's Who in Finance and Industry

1983: Who's Who in the World

D. Academic/Technical:

New York University - Formulated and taught a seminar series on "Packaging Machinery" for their Continuing Education Division.

Rutgers University - Formulated and taught a seminar series on "Packaging Machinery" for their Packaging Engineering Department

Formulated and taught a Master's Degree level course on "Packaging Machinery" for their Graduate School.

Institute of Packaging - Formulated and taught a professional seminar series on "Packaging Machinery and Line Design."

Modern Packaging - Machinery Editor, Technical Magazine Editor

Packaging Magazine - Associate Editor

E. **Publications:**

"'Disposable', Equipment Revolutionizes New Capabilities for Aseptic Filling"
Food & Drug Packaging, July 2002 - Stagnito Communications, Inc.

"Seven Safety Rules to Guard Packaging Line Workers"
Food & Drug Packaging, April 2002 - Stagnito Communications, Inc..

"Five Steps to Effective Machine Troubleshooting"
Food & Drug Packaging, March 2002 - Stagnito Communications, Inc.

"Turnkey Installation Pitfalls": #1. "Machine / Package Interface" ,
Food & Drug Packaging, December 2001 - Stagnito Communications, Inc.

"Turnkey Installation Pitfalls": #2. "Recognize Downtime",
Food & Drug Packaging, January 2002 - Stagnito Communications, Inc.

"Ignore Equipment Tests Now, Pay Later - Maybe in Court"
Food & Drug Packaging, October 2001 - Stagnito Communications, Inc.

"Tomorrow's Packaging Line – A Model of Efficiency"
Food & Drug Packaging, November 1999, Independent Publishing,

"Packaging Machinery Litigation Cases" –
Packaging Forensics, 1999, Lawyers & Judges Publishing Co.

"How to Write Packaging Machinery Specifications" -
1995 Book Publication, for the Institute of Packaging Professionals

"Consulting" -
Encyclopedia of Packaging Technology, 2nd edition, Wiley

"Machinery Purchasing for the Non-Packaging Engineer" –
Packaging Encyclopedia, 1984, Cahners Publishing

"Slow but Steady Robotic System Wins Palletizing Race" (Focus on Machinery),
December 1983, Cahners Publishing Co.

"Computerized Changeovers: A glimpse of the future?" (Focus on Machinery)
Package Engineering, July 1983 - Cahners Publishing Co.

"Solving the Packaging Machine Equation", Packaging Engineering - November
1982

E. Publications: (continued)

"What's New At the Show" Modern Packaging, October 1976 - Morgan-Grampian Publishing

"Machine Labeling Breaks Bottleneck" –
Packaging Engineering, 1970, Cahners Publishing

F. Web Site

www.bobluciano.com

G. "Expert Witness":

- 2002 Whitfield Foods vs. Fogg/White Cap
Machinery not operating to specification
Settled after Deposition
I represented the plaintiff
Ms. Scarlett Tuley, Esq; Beasley and Allon, et al,
Montgomery, Alabama
Tele: (334) 269-2343

- 2002 Accucorp vs. Kalish
Integrated Packaging Line not working to specification.
Investigatory report and testimony at trial.
I worked for the Court
Judge Norma Shapiro, 1st District Federal Court, Philadelphia, PA
Tele: (215) 597-9141

- 2002 Northwestern Foods vs. Elliott Machinery Co.
Machinery not operating to specification
Testimony at trial
I represented the defense
Joseph Davis, Esq; Davis & Winston
Tele: (310) 277-4662, Los Angeles, CA

- 2002 Banner Foods vs. New Jersey Machine
Machinery not operating to specification
Settled on Summary Judgement for the defense
I represented the defense
Jennifer A. Eber, Esq; Orr & Reno
Tele: (603) 224-2381, Concord, NH

- 2002 Bequette vs. Kleinwefers
Industrial Accident Case, St. Louis, MO
Settled out of court, before deposition
I represented the defense
Michael Pitzer, Esq.: Rabbitt, Pitzer & Snodgrass
Tele: (314) 421-5545

- 2001 StarKist Foods, Inc. vs. Rodico, Inc.
Machinery not operating to specification, El Paso, TX.
Settled out of court, before deposition
I represented the defense
Jeffrey T. Lucky, Esq: Hicks & Lucky
Tele: (915) 834-8400

"Expert Witness": (continued)

- 2000 Leanin Tree vs. Thiele
Machinery not operating to specification, Boulder, Colorado
Testimony at trial
I represented the plaintiff
Neal S. Cohen, Esq.: Chrisman, Bynum & Johnson
Tele: (303) 546-1300

- 1999 BCI vs. Lynch
Machinery not operating to specification, Miami, Florida
Settled out of court, after deposition
I represented the plaintiff
Mr. William J. Blechman, Esq.: Kenny Nachwalter Seymour Arnold
Critchlow & Spector, P.A.
Tele: (305) 373-1000

- 1998 Burgess vs. CP Packaging
Industrial accident case, Princeton, NJ
Settled out of court, before deposition.
I represented the plaintiff.
Michael Donohue, Esq.: Stark and Stark
Tele: (609) 896-9060

- 1997 Billy Webster vs. Guard Associates
Industrial accident case, St. Louis, Mo.
Settled out of court after deposition
I represented the defense.
Michael Pitzer, Esq: Rabbitt, Pitzer & Snodgrass
Tele: (314) 421-5545

- 1994 Instance vs. OnSerts
Patent infringement case, Chicago, IL
Testimony at trial
I represented the defense.
Patrick G. Burns, Esq.: Greer, Burns & Crain
Tele: (302) 993-0080

- 1988, Pioneer Flour Mills vs. Greif
Machinery not operating to specification, San Antonio, TX
Testimony at trial
I represented the plaintiff.
Robert Kelley, Esq: