

John Leszczynski

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Professional Experience

3M Company, Tonawanda NY – Engineering Specialist
July 1996 – Oct 2019

Project engineer / manager for two major multimillion-dollar robotic packaging lines
Developed high speed low back pressure conveying systems.
Enhanced servo product sync. systems.
Designed interruption control strategy, to maintain product flow.
Designed product orientation and high speed product removal system.

FLOW WRAPPERS

Designed High Speed Feeder Multi Pack System (in house design and build)
Designed NEW Stacker mechanical concept, electrical and servo program.
Instant change over stacker program 2pk, 4pk, and 6pk.
Designed high speed bowl feeder air / belt conveying system
Simplicity of the stacker design for extreme reliability 24hr/5dy a week operation for
25 years plus, original servos never replaced. Stacker brushes replaced once a year.

NEW CASE PACKERS

Designed two major different mechanical stacker servo strategies, for two newly
purchased case packers, due to constant jamming.
Case packer line , pusher assembly reduced product jams by 97%
Case packer line auto leveling stacker reduced product jams by 94%

OPTIMIZATION OF BOWL FEEDER

Designed several bowl product jam clearing systems.

LAM LINE WEB HANDLING

Program web drives for two major making lines, due to original separate max speed
configuration. Reduced web breakage by 95%
Designed mechanical product separation system.

Robot Pickers

Improved new mechanical robotic product picker- head design, extended life 100X

3M Medical Imaging Rochester NY, -Senior Engineer

1981 Feb – 1996 July

Maintained, documented, and upgraded utilities, all production machinery in the Rochester Facility.

Upgraded and enhanced electronics and programs internally.

COATING WEB ENHANCEMENTS

Replaced over a 1000 control logic relays with a programmable controller during scheduled shutdowns. Installation was done in 3 phases, to prevent business interruption. (With no original Documentation)

Programmed and implemented additional 200 points Process Management System via PLC gateway diagnostics.

Designed **SMART WEB STEERING**, entire coating line steering communication which would dynamically self-adjust for minimal steering correction. (Micro scratch elimination)

PLC double bearing roller monitor, PLC identified first web roller bearing failure via Process manager before scratching the web. Over 500 web rollers

Automated splice tracking, Auto winder splice stop, Auto Splice Coating, and Auto Coating Hopper drop out and in.

Designed **HERD** device, Coating Heavy edge removal device, non-spitting, clog-free.

Past Employment

ALLSTATE DESIGN –CONTRACT ENGINEER FOR 3M COMPANY

1979 – 1981

Project engineer for upgrading converting equipment, wastewater control, electrical power, and lighting.

Upgraded film spooling equipment, with logic controllers and serv drives.

Designed web handling system for test coater to prevent coating chatter marks.

Designed emulsion and DI water high precision batching systems.

Automate wastewater system to meet EPA requirements.

GENERAL ELECTRIC- COORDINATED DRIVES FIELD ENGINEER I&SE Division

1977 JULY- 1979

Attended GE coordinated drives school for 6 months (WEB HANDLING)

Provided engineering services for 3M, GE, Con Edison, Georgia Pacific, Xerox, Monroe County Wastewater, in the following areas;

Paper mills Copper Mills Large steam turbine

Steel mills Aluminum Mills Power Distribution

Foundries Wastewater Treatment

Education

Rochester Institute of Technology 1977

Bachelor in Electrical Engineering