



**GREATER NEW ORLEANS**  
INC  
REGIONAL ECONOMIC DEVELOPMENT

# Greater New Orleans Mechatronics Apprenticeship

April 2022



Welcome

Program Overview

Employer Spotlights

Q&A

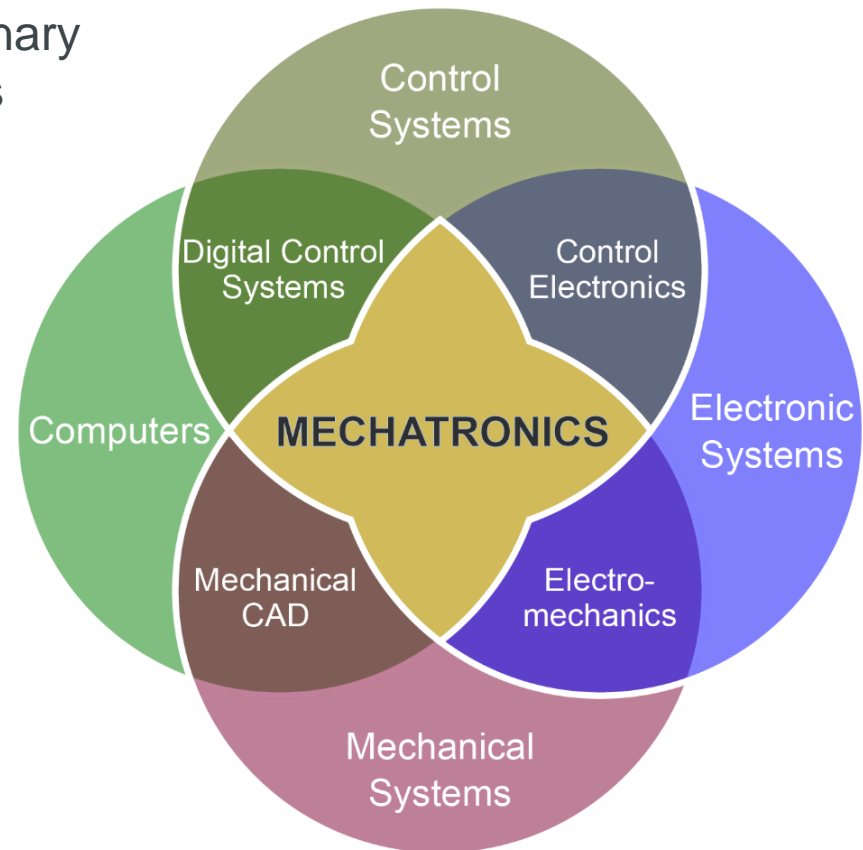
Food and Tours

# Mechatronics Overview

Mechatronics is an emerging, interdisciplinary branch of engineering that combines skills and knowledge in:

- Electrical and mechanical systems
- Electronics
- Robotics
- Control Systems

Mechatronic technicians are employed in many industrial environments, including energy, plastics, advanced manufacturing, and aerospace.



## Mechatronics Partners



### MECHATRONICS APPRENTICESHIP



## Program Details

Mechatronics graduates are prepared for positions in manufacturing, mechanical, automation, and machine technician maintenance roles

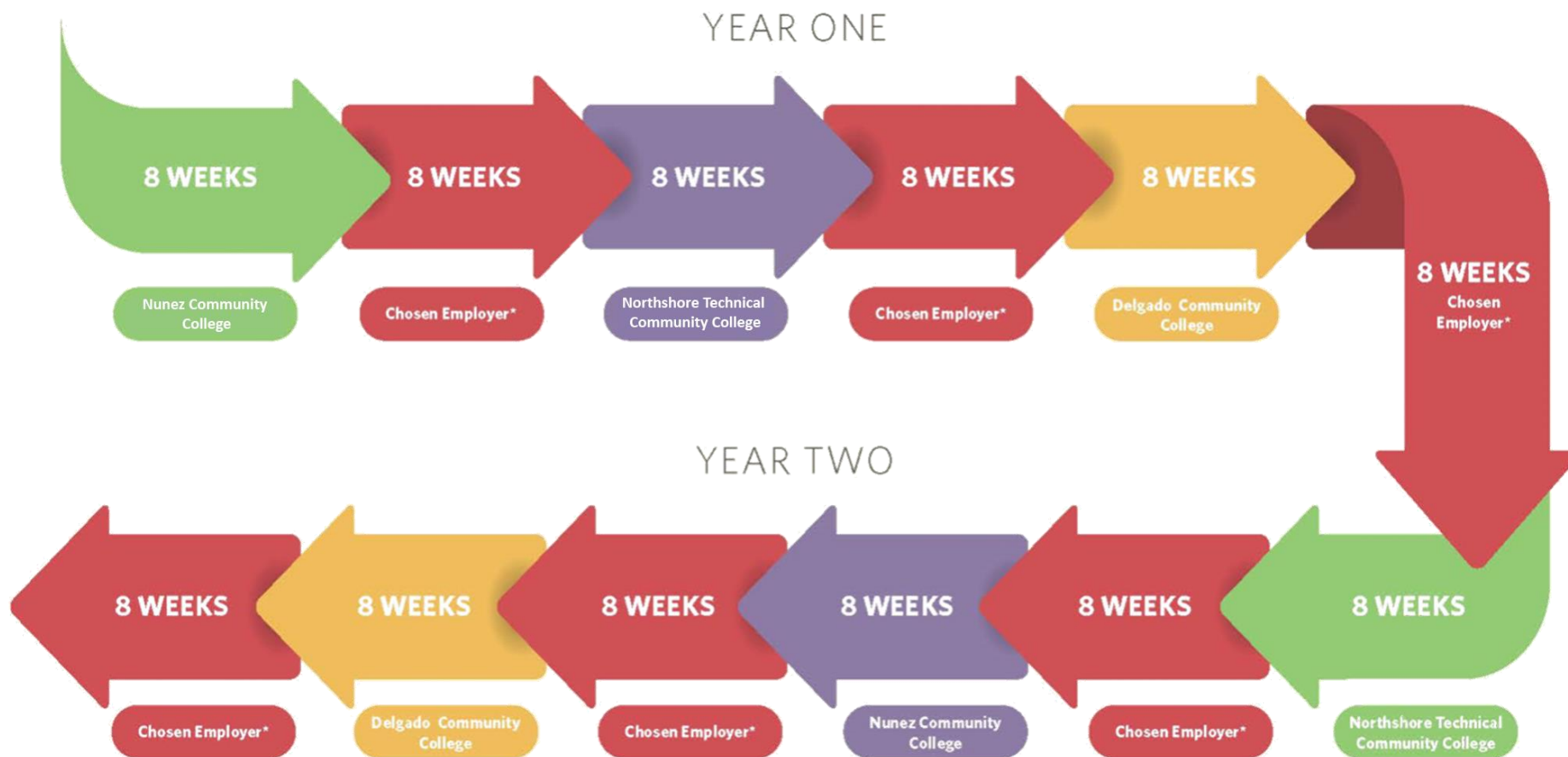
### Program Overview

- Two-year program (currently in Cohort 3)
- Earn While You Learn apprenticeship model
- Tuition and fees covered by employers
- Apprentices earn \$13/hr (or more) plus benefits
- Receive Mechatronics Certification and ~20 industry-based credentials upon graduation



## Program Details

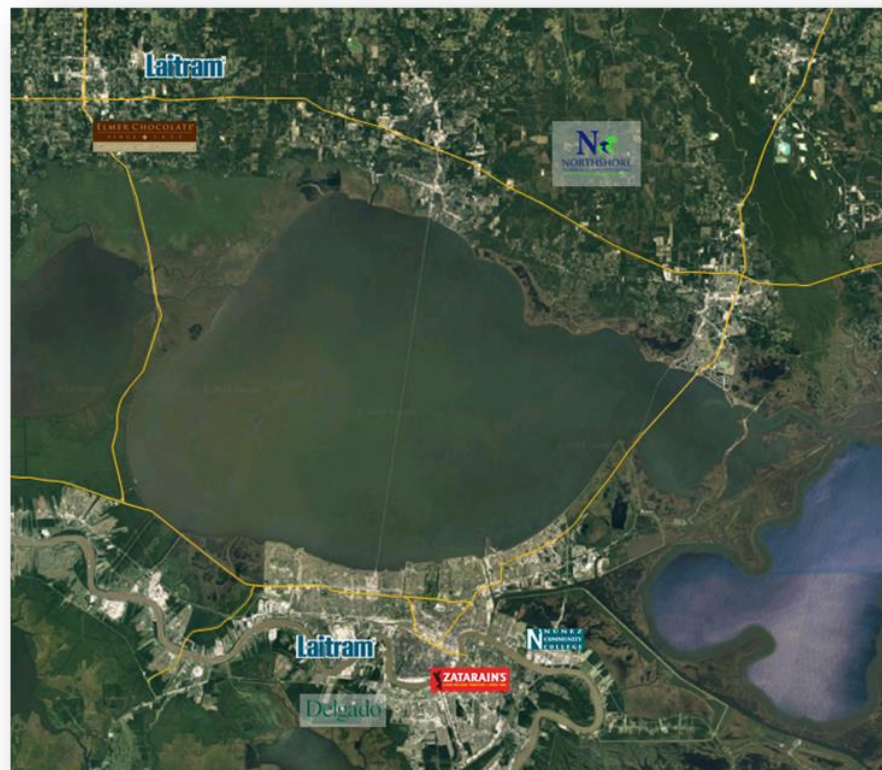
The program is a two-year commitment that involve rotations from your respective workplace for 8 weeks and in the classroom for 8 weeks. Apprentices attend all three community colleges, but only work with one employer.





## Program Details

- Apprentices attend 8-week sessions at each community college and 8-weeks at their respective employer
- Apprentices will only be employed by **ONE** company throughout the program
- Applicants can apply to more than one company during the application process



# Program Details

Standout apprenticeship applicants have a willingness to learn and are motivated solve problems

## Requirements

- Applicants must be 18 years or older by August 2022
- Must have a high school diploma or equivalent by June 2022
- Must be able to pass an employer drug screening
- Must be able to lift 50 pounds occasionally
- Must regularly attend required class sessions at all three school locations and on-the-job training at one company facility





## Program Details

Classes focus on teaching the use of advanced manufacturing skills involving robotic technologies, electromechanical systems, and troubleshooting and maintenance

Year One	Year Two
Leadership Awareness & Safety	Conflict Resolution
Microcomputers	Math for Technology
Applied Writing	PLC II
PLC Level I	Maintenance Installation and Repair
Blueprint Reading	Client Relations
Leadership, Teamwork, & Professional Ethics	Technical Communications
Discrete Math	Electrical 3 & 4
Electrical 1 & 2	Business Basics
Introduction to Robotics	Data Tasking, Email, and Collaboration
Customer Service and Sales	Mechanical: Fluid, Hydraulics, Pneumatics, and Power Transmission
Mechanical	
Quality Assurance	

## Program Details

Apprentices receive industry-based credentials that provide the stackable skills to prepare students for success in the advance manufacturing sector

Certification	Organization	College Partner
Data Analytics	NC3	NTCC
First Aid and CPR	American Health and Safety Institute	Delgado
Forklift Certification	National Safety Council	Delgado
Fundamentals of Robotics	FESTO/NC3	NTCC
Fundamentals of Industry 4.0	FESTO/NC3	NTCC
Hazardous Materials Awareness	National Institute of Environmental Health Sciences (NIEHS)	Nunez
Hazardous Materials Operations	National Institute of Environmental Health Sciences (NIEHS)	Nunez
Introduction to Mechatronics	FESTO/NC3	NTCC
Machinist Certificate Bench	LCTCS	Delgado
Machinist Certificate CNC	LCTCS	Delgado
Machinist Certificate Lathe	LCTCS	Delgado
Machinist Certificate Mill	LCTCS	Delgado
NCCER Core Curriculum	NCCER	Nunez
NCCER Electrical Level 1	NCCER	Nunez
NCCER Electrical Level 2	NCCER	Nunez
NCCER Instrumentation Level 1	NCCER	Nunez
NCCER Instrumentation Level 2	NCCER	Nunez
OSHA10	OSHA Training Institute (OTI)	Nunez
Personal Protective Equipment (PPE)	3M/National Coalition of Certification Centers (NC3)	NTCC
Precision Measuring Instruments	Snap-on Starrett Precision Measurement Instruments Certification (NC3)	NTCC
Fundamentals of PLCs Allen Bradley	NC3	NTCC
Fundamentals of PLCs Siemens	NC3	NTCC
Fundamentals of Sensor Technology	NC3	NTCC
Dremmel LC40 Laser Cutter	NC3	NTCC

## Program Details

Apprentices will have the opportunity to learn in a state-of-the-art mobile lab that will prepare students with skills in robotics, PLC, and many mechanical disciplines





## Application Process

Employers are central throughout the application process by leading applicant interviews and screening

Applications open each year in April and close in May

Open Houses/Assessments/Interviews in mid-June

Candidates selected in early July

Orientation and Signing Ceremony with employers in mid-July

Cohort begins in August

ELMER CHOCOLATE®

S I N C E  1 8 5 5



# Welcome to Elmer Chocolate

Celebrate with Chocolate®

ELMER CHOCOLATE®

SINCE 1855

Celebrate with Chocolate®



*Caramel*



*Strawberry  
Crème*



*Orange  
Crème*



*Cocoa  
Truffle*



*Chocolate  
Caramel*



Since 1855

## Purpose and Core Values

**Purpose** To foster and celebrate life's opportunities.

### Core Values

- **Cherish Family**
  - Support and encourage our home, Elmer, and community families
  - Build a team where everyone is valued and makes a difference.
  - **STAND TOGETHER**
- **Demonstrate Respect**
  - Value the contributions of others.
  - Communicate openly and honestly.
  - **ACT WITH HONOR**
- **Take Responsibility**
  - Be accountable to others.
  - Put forth our best effort.
  - **GET THE JOB DONE, RIGHT**
- **Learn and Grow**
  - Develop our gifts and talents.
  - Find a better way.
  - **EXCEL AND SUCCEED**



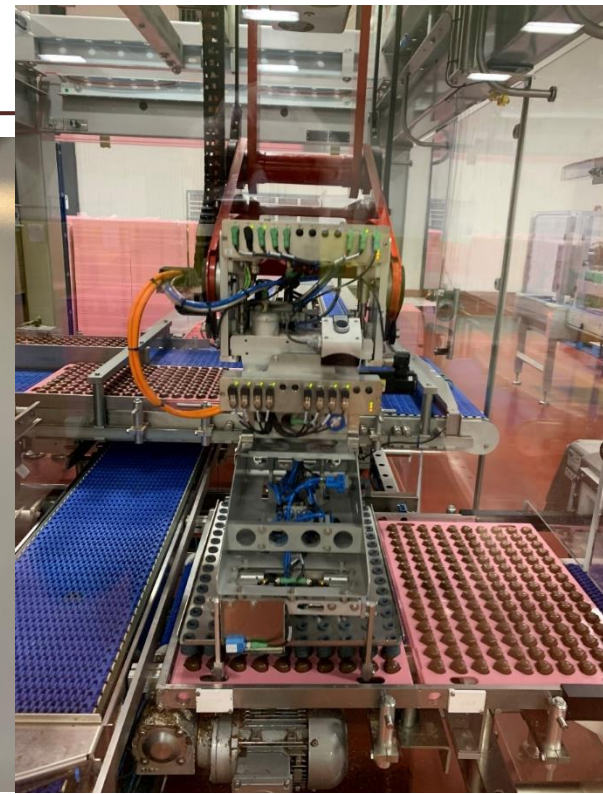
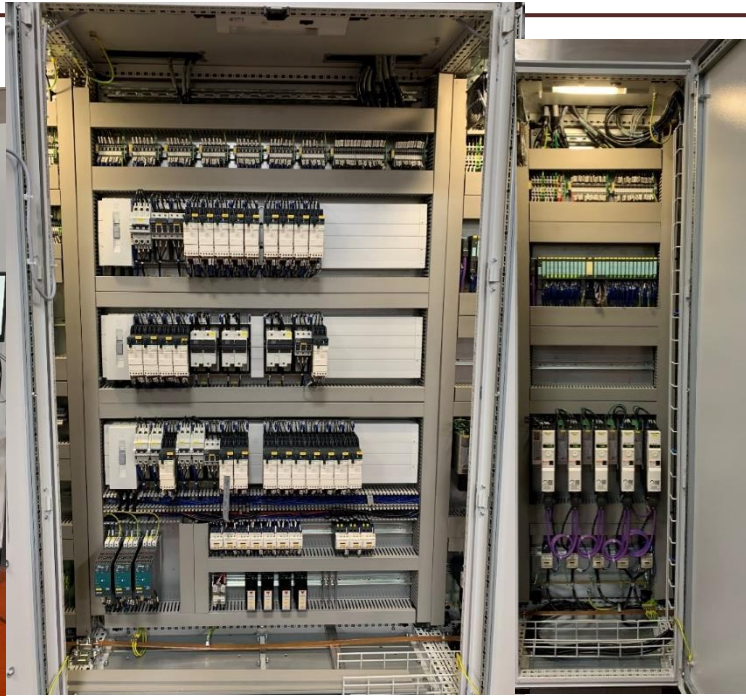
Christopher Henry Miller  
1829-1905

- Oldest family owned chocolate company in the US – since 1855.
- Has grown from regional general line candy company to a leader in seasonal chocolate throughout North America. We are the 2<sup>nd</sup> largest heart-box chocolates manufacturer in the USA.
- We make chocolates and package them in different formats for various occasions. Proudly made in the USA.
- One location in Ponchatoula, LA  
Plant size 676,000 sq ft  
Employees: 340+

ELMER CHOCOLATE®

SINCE 1855

Celebrate with Chocolate®



- (1) fully automated moulding line
- (3) fully automated pick & place systems
- (11) de-palletizers and palletizers
- Maintain, PM, troubleshooting, repairing, upgrading.
- Solid base for many opportunities throughout the organization, i.e. Mechatronic, Technician, Operator, Trainer, Parts.

ELMER CHOCOLATE®

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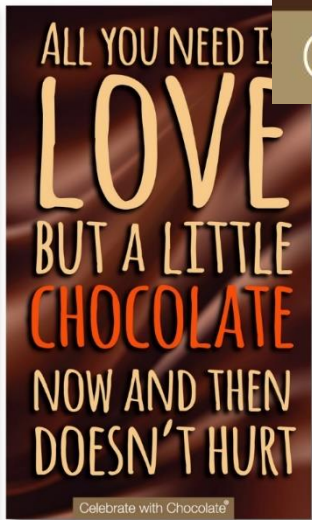
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ELMER CHOCOLATE®

SINCE 1855

Celebrate with Chocolate®

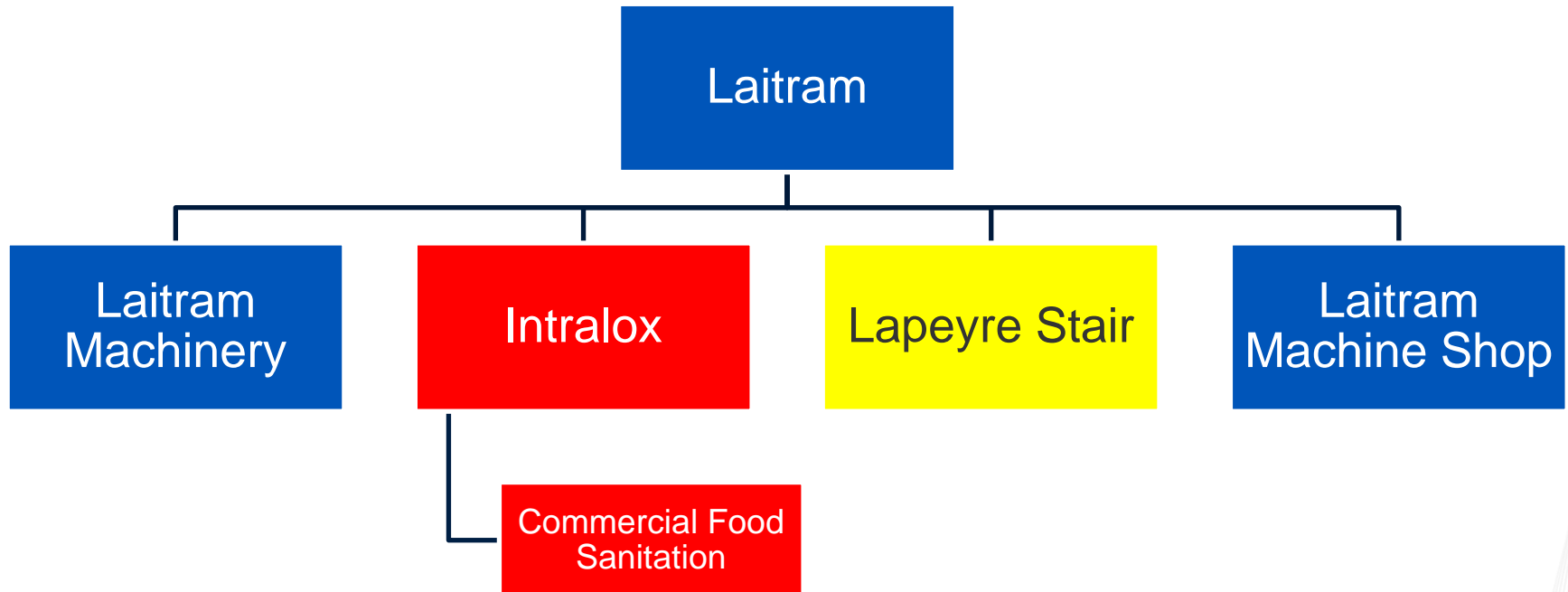




# Introduction to Laitram/Intralox

**Mechatronics Apprenticeship Program**

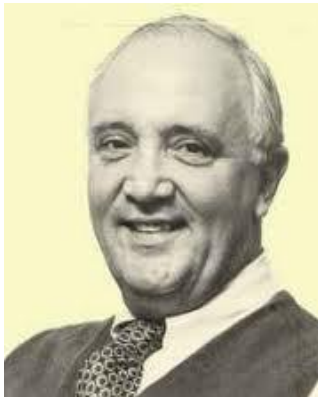
# Laitram Corporate Structure





# How Laitram started . . .

From the Patented ideas of James Martial Lapeyre (“J.M.”)



J.M. Lapeyre 1926-1989

- Automated Shrimp Peeler - 1949
- Inventions revolutionized the shrimp processing and conveying industries
- Earned 191 U.S. patents during his lifetime
- Shrimp Peeler named an Historic Mechanical Engineering Landmark by ASME - 2004
- Laitram is J.M.’s middle name, Martial, spelled backwards





# Modular Plastic Belting

We are the inventors and leading innovators of modular plastic belting, with more experience in its design, engineering, and application than any other company on the market.

## THOUSANDS OF INDUSTRY APPLICATIONS



Abrasion resistant

Accumulation

High impact

High temperature

Pasteurizers

Radius

Spiral

# Intralox Technologies



## ThermoDrive® Technology

Patented tensionless belt system creates new opportunities in hygienic conveyance design

## Activated Roller Belt™ Technology

Intralox industry-specific experts can help determine where ARB technology can provide the most value to your layout

## Spiral Solutions

Improve efficiency, reduce total cost of ownership, and provide reliable, consistent performance



**100+**

COUNTRIES WITH  
DIRECT SERVICE

**2000+**

GLOBAL EMPLOYEES

**60K+**

CUSTOMERS  
WORLDWIDE



**3**

**R&D  
CENTERS**

**1222**

**ACTIVE  
PATENTS**

**20**

**U.S. PATENTS  
PER YEAR\***

**127**

**ENGINEERS  
WORLDWIDE**

## INVENTORS

Modular Plastic Belting  
ThermoDrive® Tensionless Belt System  
Activated Roller Belt™ (ARB™) Technology  
DirectDrive™ System

## NEW PRODUCT DEVELOPMENT

Data-based research  
Testing in the field and at our facilities  
Continuous operational insight  
Industry-specific engineering teams

\*on average

# Intralox Manufacturing – Plastics/MEG

The Plastics Department molds all components for our belting

## **Locations:**

- Harahan
- Hammond

## **Groups:**

- Equipment Maintenance Group
- Mold Maintenance Group
- Mechanical Engineering Group - Automation Department

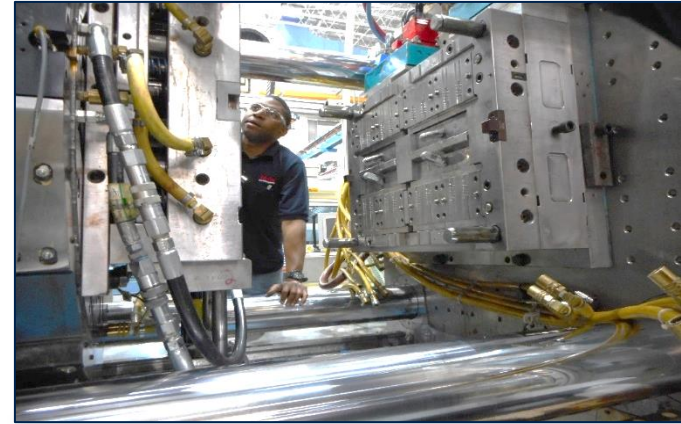
# Precision Maintenance



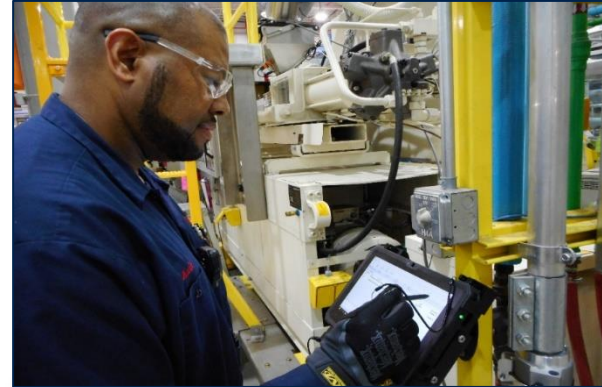




# Mold Maintenance and Repair



# Advanced Labs and Testing Equipment




# Laitram Corporate Overview





# What is



**History:** Founded in 1889 in Uptown New Orleans  
Relocated to Gretna in 1960's  
Purchased by  in 2003  
Major facility expansion 2014-2018 (\$30MM)

**Products Manufactured:** Rice Mixes, Breadings (Fish Fri, Baking Mixes) in Cartons and Pouches, Bottled Spices and Liquids

**Manufacturing Equipment:** Bulk Silos, Spice Blending, 10 Production Lines, 2 Robotic Multi-Line Palletizers





# Who is



# ?

# We are 5·0·4

## OUR CODE



**5** 50% INCREASE IN PROFIT

**0** LOSSES

**4** OUR CUSTOMER,  
TEAM & COMMUNITY

## VISION

DELIVERING BIG BUSINESS  
BY BRINGING THE SPIRIT OF  
NEW ORLEANS FLAVOR  
TO EVERYDAY.

## PLANT MISSION

WE USE OUR PASSION,  
TEAMWORK AND DRIVE FOR  
EXCELLENCE TO KEEP  
GRETNA A GREAT PLACE TO  
WORK - ENABLING US TO  
DELIVER SAFE, HIGH QUALITY  
PRODUCTS FOR ZATARAIN'S  
AND MCCORMICK.



## Next Steps

Go to

<https://gnoinc.org/doing-business/workforce/mechatronics/>

for more information and to apply!





THANK YOU

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