



Belt Line

A publication of NIBA-The Belting Association



NIBA2020:

Register at No Risk. Pay Less Than 2019!

by John Grasmeyer, 2020 NIBA President

Understandably, the Coronavirus (COVID-19) has impacted many of us in our day-to-day lives and it's certainly not 'business as usual' right now. I sincerely hope and pray for you, your families, and your businesses during these very trying and challenging times.

As we are all adjusting to a new way of doing business and connecting with our friends and colleagues, NIBA is optimistic about reuniting again this September to advance the belting industry and support the recovery. We're implementing a **"risk-free registration"** process for NIBA 2020 to help our members.

1. You may cancel your registration, for any reason, and with no penalty, by September

10, 2020 and receive a full refund.

2. We worked with the hotel so that no deposit is required when reserving a hotel room in NIBA's room block. The block is open until August 24 and you cancel any time at least 72 hours prior to the meeting.

3. We've reduced conference fees in each category across the board and have extended our early bird rates until July 1, 2020. Typically, the rates increase at the beginning of June.

4. We're offering a new shared Manufacturer Hospitality Suite Hub option for companies that wish to host parties, but reduce their overall spend. We will still have premium, larger space available for the traditional hospitality events, but companies

that choose the hub will enjoy shared food and beverage costs while still having their own meeting room to entertain guests.

NIBA leadership and staff are working diligently to monitor ongoing developments related to COVID-19 and we are committed to sharing regular updates as the situation unfolds. In the extreme case that the virus is still having a travel impact by the Fall, there will be no cancellation fees for your NIBA convention or hotel registration expenses.

We also continue to work on the needed activities to support our technical seminars, membership retention and recruitment, online education and general membership servicing requirements.

One of the biggest strengths of our association is our strong community and, in uncertain times, it gives me great hope that we will come together and be stronger on the other side. NIBA will continue to be a place where distributor/fabricators and manufacturers can come to share ideas, create new connections, and grow their business.

Please don't hesitate to contact the main office or any of the volunteers on our Board or committees if you have any additional questions or concerns.

On behalf of NIBA, I would like to express our sincere best wishes to all of our members and your families. I hope to see you all in Austin! ●

Convention Registration Per Person

*** Prices reduced in each category ***

*** Early Bird pricing extended to July 1 ***

| | 2020 | 2019 | Difference |
|---|-------|-------|------------|
| Distributor/Fabricator | \$650 | \$725 | -\$75 |
| Manufacturer | \$750 | \$800 | -\$50 |
| Affiliate | \$750 | \$800 | -\$50 |
| Spouse/Guest Participant back to 1 pass | \$400 | \$500 | -\$100 |



Coming Soon: NIBA Certification Modules and Learning Library

Do you wish employees and training program attendees came in with a better basic knowledge of belting concepts and materials?

If so, NIBA has a solution for you.

The new NIBA certification program has been in the works since 2017, and a number of volunteers and stakeholders have played a major role in its development. Launching soon for members and non-members, NIBA will offer a series of online tests on topics that support a basic understanding of belting concepts and materials.

After reviewing a video presentation and passing a subsequent assessment of multiple-choice questions at 90% or better, users will be awarded a NIBA Trained certificate of completion.

How did we get here?

Starting in 2017, the NIBA Board of Directors included a recommendation in their strategic plan to develop a certification program. The goals were to establish guidelines to improve best practices in the belting industry, grow membership through training participation and online education, and receive initial support from the manufacturers to help legitimize the program.

We formed an initial Certification Task Force in 2017 to formalize tactics and action items with representation from both manufacturers and distributor/fabricators.

- Manufacturers: Doug Gilg (Contitech) and Phil Engle (Chemprene)
- Distributors/Fabricators: Stephenie Davis (Davis Industrial) and Mike VandenAkker (Sparks Belting)
- Past Presidents: Tom Pientok (Apache), Tom Richardson (Conveyor Accessories, Inc)
- Education and Technical Committee Chair: Mike Francis (Dunham Rubber & Belting)

This group first met via conference call, then in-person at the joint Annual Convention in Hollywood, FL. We talked about content, pass rate/retake strategy, industry trends, support for NIBA in-person trainings and other options for companies that don't have their own trainings.

Before the joint convention in September 2017, NIBA sent out a member survey to both manufacturers and distributor/fabricators asking,

1. What can be certified?

2. Can we develop a program that works as a complement to the industry and serves as a pre-requisite for more advanced training?

Examples of possible topics were safety procedures, conveyor belt knowledge, international technical standards, nomenclature, pulleys and idlers, bearings, conveyor system design, and mechanical/electrical drives. The responses to this initial survey helped us better understand our member's needs and set the stage for the advancement of NIBA's certification program.

Certification Modules

In 2018, NIBA Education and Technical Committee members started developing the initial content and format for the online modules. Think of these as 101-level courses that help users grow their knowledge of basic belting concepts and material. The group decided that each test should include a 30-minute review (video with voiceover) and a 30-min test with no more than 15-20 questions. Certificates are issued to anyone who successfully completes an exam with a 90% score or better. There is no ongoing ed-

ucational requirement to maintain a NIBA trained status.

The committee worked very hard in 2018 and 2019 to create five online modules, which are now ready for release:

- HW Belt Selection
- HW Failure Recognition
- LW Fabrics and Compounds
- LW Mechanical Belt Splicing
- LW Endless Belt Splicing

The modules are perfect for sales professionals, belt installers and other technical employees, who, after completing the modules, will be more prepared to attend advanced training with NIBA or within their companies.

At the end of 2019, the NIBA Board of Directors invested in a new learning management system to be integrated with NIBA.org through a single sign-on. The NIBA Learning Library, as it is called, will be our one-stop shop for all education, including the certification modules, other NIBA member resource materials, webinars, and more.

Moving forward, we plan to add at least one new LW and HW module to the program each year. Our volunteers are currently contacting manufacturers to preview the program and ask for their commitment to require, support, or endorse the program for their employees.

Please keep an eye out for more information coming soon. We're very excited to add this new online education as a way to increase member value and support the industry as a whole. Contact Michael Battaglia, NIBA Executive Director; Mike Francis, Education and Technical Committee Chair; or Mark Jadwin, NIBA Board member for more information. ●

NIBA ANNUAL CONVENTION

Hilton Austin
AUSTIN, TEXAS

**SEPT
16-19
2020**

Join belting industry leaders representing member companies from around the globe to build connections, exchange ideas and have fun at the NIBA Annual Convention.

*Risk-Free
Registration!*

Early Bird rates until July 1, 2020

www.niba.org/convention

We are optimistic about reuniting and seeing everyone again this September to advance the belting industry. We also know that it isn't "business as usual" right now. We understand. So NIBA is implementing "Risk-Free Registration" for the 2020 Annual Convention.

You may cancel your registration, for any reason, with no penalty, by September 10, 2020 and receive a full refund. Expo booths can also be canceled without penalty, by September 10, 2020. Cancellations must be received by the stated cancellation deadline and will only be accepted in writing to staff@niba.org.

The 40th Annual Convention of NIBA - The Belting Association



Increasing the Production Capacity of a Sidewall Belt Conveyor

by Joe Haen, Michael Blume, John Mills and Bart Rogers, Beltservice Corporation

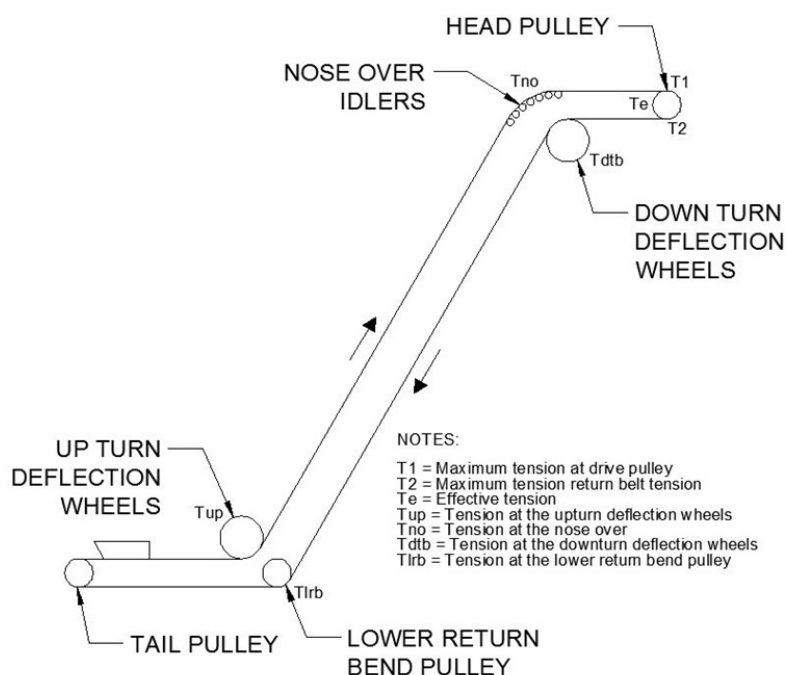


If you own or operate a Sidewall Belt Conveyor then you have undoubtedly been challenged with the task of determining how to increase the conveyor's production capacity. The typical approach is to increase the belt speed and thus increase the production rate. While this is certainly true, increasing the belt speed and production rate of a conveyor without researching the mechanical integrity of its components may result in increased maintenance costs and unwanted downtime. Starting with the material being conveyed, an engineer uses the material density in PCF (pounds per cubic foot) and the desired capac-

ity in STPH (short tons per hour) to calculate the desired volumetric rate in CFH (cubic feet per hour) to be conveyed. By combining this information with the conveyor dimensions and other factors such as the conveyor incline angle, belt width, cleat profile, cleat width, cleat height, cleat centers, material handling characteristics and the belt's loading factor, the required belt speed can be calculated.

The belt speed is an integral part of the conveyor design for several reasons. The belt speed is used in conjunction with capacity, the conveyor lift and other conveyor parameters to calculate the required horsepower necessary to convey the material. The horsepower requirement is instrumental in calculating belt tensions which in turn determines the size of all of the key mechanical components such as belt carcass strength, pulley diameters, shaft diameters, bearing sizes, gear reducers and other drives components. All of these items are directly related to belt speed (FPM) and carrying capacity (STPH). See the sample application chart that compares the belt speed with the capacity, note the increase in the horsepower requirement.

If you are considering changing any operating parameters of your existing sidewall conveyor, then consult with a qualified sidewall belt engineer in order to ensure that your belt and the mechanical components will meet the revised task. ●



SHARE YOUR TECHNICAL KNOWLEDGE

Submit your technical articles to staff@niba.org.

Sidewall Belt Speed Vs Capacity Chart

Example: "Z" Shaped Conveyor with 60 Degree Incline Angle, 100 ft of Lift. Using a 42" wide Belt with 10" tall Sidewalls and 9.5" tall "S" Cleats on 12.5" Centers, Conveying 100 PCF Material with 15 degree Material Surcharge Angle and a Belt Loading Factor of 80%.

| Belt Speed (FPM) | Short Tons per Hour (STPH) | Horsepower (HP) | Te (Pounds) | T ₁ (Pounds) | T ₂ (Pounds) |
|------------------|----------------------------|-----------------|-------------|-------------------------|-------------------------|
| 50 | 75 | 8.4 | 5568 | 11036 | 5468 |
| 100 | 150 | 16.9 | 5574 | 11042 | 5468 |
| 150 | 225 | 25.4 | 5590 | 11058 | 5468 |
| 200 | 300 | 34.1 | 5622 | 11090 | 5468 |
| 250 | 375 | 43.0 | 5675 | 11143 | 5468 |
| 300 | 450 | 52.3 | 5753 | 11221 | 5468 |
| 350 | 525 | 62.2 | 5863 | 11331 | 5468 |
| 400 | 600 | 72.8 | 6009 | 11477 | 5468 |

*See the illustration below for Location of Belt Tension Points (T₁, T₂, T_e) on the Conveyor.

MEMBER-TO-MEMBER NEWS

News submitted by and for NIBA members

NEW PRODUCTS

ASGCO® “Complete Conveyor Solutions” announces the latest addition to their line of Secondary Belt Cleaner products. The new patent-pending ASGCO® BC-2™ Conveyor Belt Cleaner provides the best possible cleaning efficiency in the industry. Its pre-tensioned stainless-steel torsion spring mechanism provides continuous pressure on each arm assembly and the bolt-on overlapping tungsten carbide blades are adjustable and easy to replace, cutting down on maintenance cost and improving productivity. The overlapping blades also ensure 100% belt coverage for the best possible clean and with each blade having the ability to be replaced individually, there is no need to replace the arm on every blade change.

ASGCO® “Complete Conveyor Solutions” unveils two new products in their line of Safe-Guard® safety conveyor products. Designed to secure the belt for safe repair, the BC6™ (6 Tons) and BC8™ (8 Tons) Safe-Grip™ Belt Clamps were created for maximum grip! Capable of handling more weight and work in any condition, they replace the existing BC5 (5 Tons) and BC7 (7 Tons) models. Safe-Grip™ Belt Clamps are constructed from high-grade steel components that are light in weight, conducive for easy transportation and assembly. Its shock-absorbing end caps are designed to protect the bars from hammer use and drops. Engineered for tough conditions, Safe-Grip™ Belt Clamps allow for a lasting gripping force that far exceeds all competitive solutions.

In March of this year, **Fenner Dunlop** introduced newly branded product groups, organized by belt carcass cover and compound type. Kicking things off at this year's Conexpo, the new product branding was showcased at their booth, giving visitors the chance to get a first-hand look. Fenner Dunlop's Conveyor Belting is now classified into three belt carcass groups: The X-Se-



Davis Industrial additions

ries®, Plylok® Group and Specialty Group. The intent of these groupings is to make understanding the makeup of the conveyor belting easier. For example, the X Series® is comprised of conveyor belting that all utilizes straight warp and dual crimp weave designs, while the Plylok® Group is comprised of our standard plied belting. The Specialty Group is comprised of DynaFlight®, HotShot® and Royalon®. Fenner Dunlop also has a multitude of cover compounds designed to protect the belt carcass depending on the type of bulk material handling application. Our compounds are designed for maximum performance in the following categories: Cut/Gouge, Abrasion, Cold Resistant, Fire Retardant, Heat Resistant, Oil Resistant, Low Extraction, Non-Stick and Power Saver.

The Nitta Corporation continues to expand its leading edge elastic conveyor belt line designed specifically for the high speed delivery and belt on roller modules found in modern distribution centers all around the world. Nitta TA12-BK, SNTC and TC style belts are three of our most popular belt types. In addition, the Nitta CFTG line, used on Sortation and Live Roller conveyors and all made in their Suwanee, Georgia plant, can also be found on these high demand conveyor components.

PERSONNEL

ASGCO® welcomes **Roy Wysong** as Midwest Territory Service Manager and **Evan Franco** as Aggregate Industry Sales and Marketing Manager. Wysong has 10 years of experience in the industry, working for a large aggregate provider as a utility man. He will be assisting territory managers, distributors, end-users and OEM customers with

product installation, and service throughout the mid-west United States. Franco was a production engineer at a quarry and a sales representative for crushed stone products. He was responsible for the maintenance of the plant and his experience will be a great help to ASGCO's distributors, end-users, and OEM customers.

Benetech, Inc. has announced the addition of two highly seasoned material handling experts. New Southeast Director of Sales **David Wood** is a 19-year industry professional with a strong background in conveyors, engineering transfer systems, vibratory feeders and screens, bin vibrators, screw conveyors, bucket elevators and underground conveying systems. New Account Manager **Bruce McMurray** enhances the Benetech team with more than 35 years in belt cleaning, tracking, loading and dust management.

Davis Industrial has added experienced technicians, managers and sales support: **Greg Branam**, the Tampa Branch Manager, brings many years of manufacturing management experience from companies like Waste Management, IHI Power Services and MLMC. He will oversee the day-to-day operations of the Tampa location. Expanding at the Miami location, **Catarina Souza**, brings many years of export, industrial, and conveyor components experience. She will be helping to grow the South Florida presence as well as the export business. **Travis Transue** returns to the Davis family after a short stint away. He has an extensive background in metal fabrication, rigging and welding in the conveyor industry and beyond. Also returning to the Davis family is **Pete Bugge** as a solutions specialist. Pete will be calling on customers and prospects

WE WANT YOUR NEWS!

Send to staff@niba.org or
complete the form at
niba.org/members/submit-news

in the central west Florida territory. We are happy to have him back to grow our head-quarter's territory.

Shingle Belting welcomes **Melinda Tomlinson** to its QC team. Melinda was hired to manage sample/marketing materials and to assist with clerical work. Her exemplary work ethic and enthusiasm led Shingle to find a larger role for Melinda as part of the team.



Motion Industries, Inc. has promoted **Greg Cook** to Executive Vice President and Chief Financial Officer. Cook joined Motion Industries as Senior

Vice President and CFO in November 2016 and quickly worked to improve the strategic effectiveness of the company's finance, accounting, tax, and treasury functions. Since joining Motion, he has also added responsibility for corporate strategy functions. In his expanded role, Cook will continue leading these current responsibilities, but will also take on oversight of Motion's Information Technologies function.



Motion Industries, dedicated to various key roles throughout the organization. He will now lead the company's newly formed Central Group. Pacer has been with Motion Industries for 23 years, most recently as the Detroit Division Vice President and General Manager where he was responsible for the further development and overall growth of 22 branch operations and one service center.

MERGERS & ACQUISITIONS

Volaris Group has acquired **Tribute Inc.**, a leading ERP software provider for mid-sized industrial distributors in North America. Tribute Software provides integrated ERP software solutions to help industrial distributors serve their customers better, streamline their operations, lower costs, and enhance margins through better cost control. Tribute will maintain its brand and independence with support, coaching and best practices from Volaris. ●

Former NIBA President Shannon Kinslow Passes Away



NIBA and Shipp Belting of Waco, Texas are mourning the passing of former NIBA president Shannon Kinslow. Kinslow started his first belt job in Texas after completing his military service, including a tour in Vietnam. Following many years of involvement in NIBA, he was elected as President in 1985, and later joined Shipp Belting in 1993. NIBA is communicating with the family to identify a charitable organization of their choice to which we can make a memorial contribution in Shannon's name.

Lightweight Training Scholarship Honors Steve Fournier



NIBA is pleased to honor the memory of Steve Fournier, a valued NIBA member and lightweight trainer with a scholarship presented at one of NIBA's lightweight training seminars. Steve's outstanding contributions to the association and the belting industry, along with his vast experience, had a direct impact on the

Key Principles and Best Practices of Lightweight Belting seminar we run today. He also served on NIBA's Education and Technical Committee.

The Steve Fournier Scholarship will be presented at each Key Principles and Best Practices of Lightweight Belting seminar to the attendee that our trainers identify as the most engaged participant.

How Will the Winner be Chosen?

At the completion of one of NIBA's lightweight belting seminars, the instructors will select an attendee based on their perspective of the trainees, their involvement, and interaction during the trainings to receive the Steve Fournier Scholarship. The sponsor company will receive notification that their employee was awarded this scholarship, as well as a \$500 award back to the company that sent the trainee. ●

2020 SILENT AUCTION

Part of the 2020 NIBA Annual Convention in Austin, Texas

To benefit the NIBA Scholarship Fund

Donate items to the Silent Auction

Contribute to the future of the NIBA Scholarship Fund. Contact silentauction@niba.org and donate today!

Donate. Bid. Support.



Gem Level Contributors (cumulative contributions)

Diamond

(Contributions of \$7,500 or more)

Advanced Flexible Composites Inc (AFC)
AFM Industries
Belt Power LLC
Chiorino Inc
ContiTech - NAFTA
Derco B V
ERIKS North America, Inc.
Flexco
Green Rubber - Kennedy Ag
Habasit America
Nashville Rubber and Gasket Co Inc
Nitta Corporation of America
Reichel-Korfmann Co Inc.
Shaw Almex Industries

Emerald

(Contributions of \$5,000 - \$7,499)

AccuPad Inc
American Biltrite
Ammeraal - an Ammega Company
Beltservice Corporation
Blair Rubber Company
Fenner Dunlop Engineered Conveyor Solutions
Forbo Siegling LLC
Friesen's Inc.-Conveying Solutions
Industrial Supply Solutions, Inc.
Passaic Rubber Company
Quality Belt Maintenance Ltd (QBM)
Shanghai YongLi Belting Co Ltd
Sparks Belting Company
Universal Belting Resource

Ruby

(Contributions of \$2,500 - \$4,999)

Accurate Industrial Inc.
AirBoss Rubber Solutions
All-State Belting LLC
BEHA Innovation GmbH
Bullitt County Belting & Supply
Canadian Bearings Ltd
Conveyor Accessories Inc
Conveyor Belt Service Inc.
F.N. Sheppard and Co
Forbo Movement Systems Transtex Belting
Friesen's Inc-Conveying Solutions
Great Lakes Belting and Supply Corp
Knoxville Rubber and Gasket Co
Midwest Rubber Service and Supply Co
Power and Rubber Supply
REMA TIP TOP - NA
RGA - Rubber and Gasket Co of America
Rubber and Accessories Inc
Sampla Belting
Uniband USA
Vaughn Belting Company Inc
VIS USA LLC
Voss Belting and Specialty Company
William Goodyear Company

COMMIT TO EDUCATION!

Contribute to the NIBA Scholarship Fund at
niba.org/scholarships/contributions/

President's Club (cumulative contributions \$1,500 and over)

AccuPad Inc
Accurate Industrial Inc.
Advanced Flexible Composites Inc (AFC)
AFM Industries
AirBoss Engineered Product Inc
All-State Belting LLC
American Biltrite
Ammeraal - an Ammega Company
ASGCO - Complete Conveyor Solutions
Behabelt USA
Belt Power LLC
Beltservice Corporation
Blair Rubber Company
Bullitt County Belting & Supply
Canadian Bearings Ltd
Chemprene Inc
Chiorino America, Inc.
ContiTech - USA, Inc
Conveyor Accessories Inc
Conveyor Belt Service Inc.
Conviver Co Inc
Derco B V
Dunham Rubber & Belting Corporation
ERIKS North America, Inc.
F. N. Sheppard & Co Fenner Drives Inc

Fenner Drives Inc
Fenner Dunlop Conveyor Belting
Flexco
Forbo Movement Systems Transtex Belting
Forbo Siegling LLC
Friesen's Inc-Conveying Solutions
Gates Mectrol Corp
Great Lakes Belting & Supply Corp
Green Rubber - Kennedy Ag
Habasit America
Industrial Rubber Specialties Inc
Industrial Supply Solutions Inc
J A Emilius Sons Inc
Jerry Bros Industries Inc
Knoxville Rubber & Gasket Co
Maxi-Lift Inc
McLeod Belting Co Inc
Midwest Rubber Services & Supply Co
Motion Industries Inc
Mulhern Belting Inc
Nashville Rubber & Gasket Co Inc
Nitta Corporation of America
Norwesco Industries (1983) Ltd.
Novex Inc
PANG Industrial

Passaic Rubber Company
Power & Rubber Supply
Quality Belt Maintenance (QBM), Inc.
Ram Belting Company Inc
RAM Enterprise Inc
Reichel-Korfmann Co Inc.
REMA TIP TOP - NA
RGA - Rubber & Gasket Co of America
R/W Connection, Inc.
Rubber & Accessories Inc
Sampla Belting
San Antonio Belting and Pulley Co Inc
Shanghai YongLi Belting Co Ltd
Shaw Almex International Headquarters USA
Southwest Rubber and Supply Co Inc
Sparks Belting Company
Thaman Rubber Company
Uniband USA
Universal Belting Resource
Vaughn Belting Company Inc
Virginia Carolina Belting
VIS USA LLC
Voss Belting & Specialty Company
WAGENER Schwelm GmbH and Co
William Goodyear Company

Annual Go for the Gold!

The following companies have made contributions to the NIBA Scholarship Fund in 2020

Gold Sponsors

(Contributions of \$800 or more in 2020)

Continental
Nashville Rubber & Gasket Co, Inc.
Nitta Corporation of America
Reichel-Korfmann Co, Inc.

Silver Sponsors

(Contributions of \$400-\$799 in 2020)

AirBoss Rubber Solutions
All-State Belting LLC
Accupad Inc

Bronze Sponsors

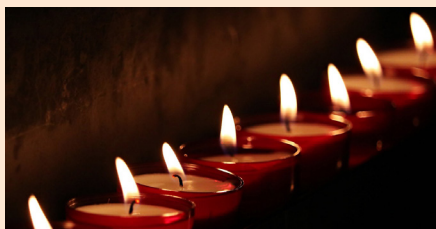
(Contributions of up to \$399 in 2020)

Transco Industries
Vaughn Belting Company Inc



NIBA-The Belting Association
22 N Carroll St, Ste 300
Madison, WI 53703

FYI



Recognizing Those Who Have Passed

Two of NIBA's past presidents passed away in 2019. Thanks to the Frank Klaene Memorial Fund, we were able to properly recognize them for the work they did on behalf of NIBA. If an employee of your company has recently passed, please let the NIBA office know so that we can recognize them, as well. The Frank Klaene Fund is generated through various fundraising activities and individual and company contributions.



Spring Training Seminars Postponed

While all the spring NIBA Technical Training seminars were postponed due to the COVID-19 pandemic, we are working with the trainers to get new dates scheduled as soon as possible. The Vulcanized and Mechanical Heavyweight Splice course, traditionally offered only in the spring, will be one of several training options on the schedule this fall. We look forward to opening registrations to all of you soon.



NIBA Membership at a Glance

The Numbers

| | |
|-------------------------|-----|
| Manufacturers | 113 |
| Distributor/Fabricators | 137 |
| Affiliates | 10 |
| Total members | 260 |

Our Newest Members

- Bervina, Ltd (Belting Manufacturer)
- Shandong Huasheng Rubber Co, Ltd. (Belting Manufacturer)