



### ELECTRICAL & ELECTRO-MECHANICAL COMPONENTS

IBT has all the elements to make your system GO! With the proper components in place, your system will perform the way you dreamed it would. And if it's design help you need, IBT's experienced engineering team can provide any level of assistance you need.

#### Electric Motors

- ▲ A/C & D/C
- ▲ Fractional HP, Integral HP & Above NEMA HP
- ▲ 3600, 1800, 1200, 900 RPM
- ▲ General Purpose, Severe Duty, Hazardous Location & Wash Down

#### Operator Controls

- ▲ Push Button Controls
- ▲ Selector Switches
- ▲ Indicator Lights
- ▲ HMI, Touch Screens & Custom Controls

#### NEMA Enclosures

- ▲ NEMA 1
- ▲ NEMA 12
- ▲ NEMA 3R
- ▲ NEMA 4 & 4X

#### Monitoring Devices

- ▲ Speed Monitoring
- ▲ Encoders
- ▲ Counters
- ▲ Timers

#### Motor Controls

- ▲ A/C Variable Frequency Drives
- ▲ D/C Adjustable Speed Drives
- ▲ NEMA & IEC Controls & Starters
- ▲ Solid State Starters & Soft Starts
- ▲ Disconnects
- ▲ Solid State Electronic Overloads
- ▲ Circuit Protection

#### Sensors

- ▲ Limit Switches
- ▲ Photo Eyes & Proximity Sensors
- ▲ Ultrasonic & Specialty Sensors

#### Safety Controls

- ▲ Rope Pull Controls
- ▲ Safety Switches
- ▲ Light Curtains

#### Electro-Mechanical Products

- ▲ Clutches
- ▲ Brakes
- ▲ Actuators



## MECHANICAL DRIVE COMPONENTS

As one of America's leading bearing and power transmission product distributors, IBT has been offering the best components in the industry for over 60 years. We are the experts in mechanical drives.

### *Bearings: Mounted & Unmounted*

- ▲ Ball Bearings
- ▲ Roller Bearings
- ▲ Needle/Cam Follower Bearings
- ▲ Spherical Bearings
- ▲ Cylindrical Bearings

### *Oil Seals & O-rings*

- ▲ Buna
- ▲ Viton
- ▲ Nitrile
- ▲ Silicone
- ▲ PTFE

### *Mechanical Overload Devices*

- ▲ Drive Protection
- ▲ Control Component Protection

### *Lubricants*

- ▲ Quality Oils & Greases for every application
- ▲ High or Low Temperature

### *Adhesives*

- ▲ Thread Sealants
- ▲ Epoxies
- ▲ Silicones

### *Drive Belts & Pulleys*

- ▲ FHP = 3L, 4L, 5L
- ▲ Classical = A, B, C
- ▲ Dyna-V = 3V, 5V, 8V
- ▲ HTD = 3M, 5M, 8M, 14M, 20
- ▲ Timing = XL, L, H, XH

### *Sprockets & Drive Chain*

- ▲ Size 35 to D200 Roller Chain/Sprockets

### *Shaft Couplings*

- ▲ Jaw
- ▲ Sleeve
- ▲ Tire
- ▲ Gear
- ▲ Grid

### *Gearmotors & Speed Reducers*

- ▲ Right Angle Worm
- ▲ Right Angle Helical Worm
- ▲ Right Angle Helical Bevel
- ▲ In-Line Concentric Helical Gearing
- ▲ In-Line Cycloidal Gearing

### *Fluid Couplings*

- ▲ Soft Start
- ▲ Drive Protection



## INDUSTRIAL RUBBER HOSE & FABRICATION SERVICES

Choose from our extensive selection of in-stock industrial rubber hose products. We can cut to length, finish to your specifications, test, and ship to you – fast!

### *Hydraulic Hose & Fittings*

- ▲ Flushed, pressure tested & ready to go

### *Air & Water Hose*

- ▲ Choose from a wide range of sizes, styles & pressure ratings



**CONVEYOR BELTING & CUSTOM FABRICATION SERVICES**

IBT has a huge stock of all types of conveyor and drive belting products. For all those special belts that the factory quotes 4 to 6 weeks . . . we'll have them to you in a week or less!

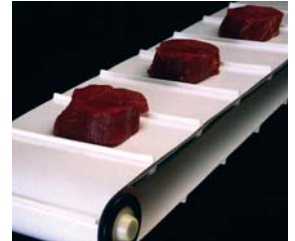
**Lightweight Belting**

- ▲ Package Handling & "Live Roller" Belt
- ▲ Food Grade Belt (PU, PVC & Rubber)
- ▲ Rough Top Belt



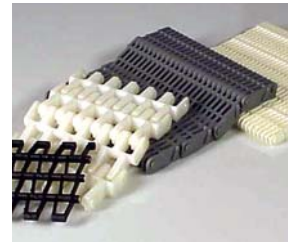
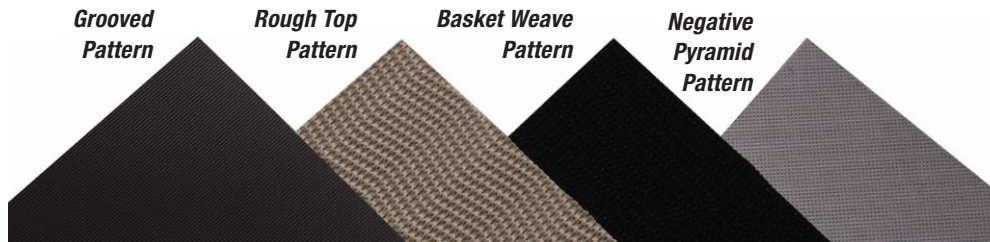
**Plastic Belting**

- ▲ Ideal for Washdown Applications
- ▲ Open Grid Design
- ▲ FDA & USDA Approved



**Woven Wire Belting**

- ▲ Great for Oven & Freezer Applications
- ▲ Straights & Curves
- ▲ FDA & USDA Approved

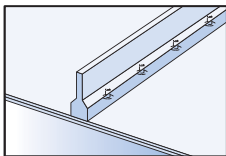


**BELTING FABRICATION SERVICES**

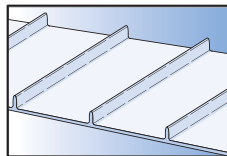
IBT's in-house belt shop can provide a number of belting surface and backing modifications, as well as custom die cutting services. In addition to the surface modifications shown here, backing modifications can also be added to flat belts, variable speed belts, polyrib belts, and timing belts.

**Popular Types of Conveyor Belt Covers**

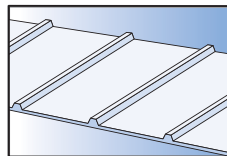
- ▲ Abrasion Resistant Covers
- ▲ High Friction Covers
- ▲ Sponge Backing in a variety of materials



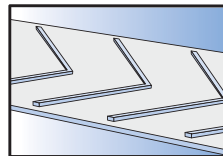
**Bolt-On Cleats, Lugs & Guides**



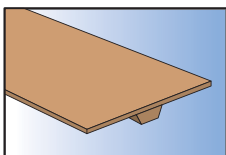
**High Frequency Welding & Vulcanized Bonded Cleats**



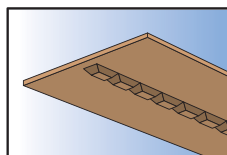
**Bonded Lugs**



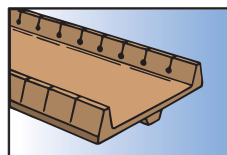
**Chevron Pattern Lugs**



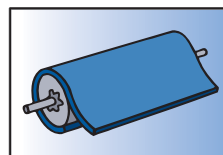
**Bonded V-Lugs**



**Notched V-Guides**



**Sidewalls with V-Guides**



**Pulley Lagging**



**CONVEYOR SPECIALTY PRODUCTS & SERVICES**

IBT is your complete material handling solutions provider. No matter what the application, we've got the peripheral components, subsystems and accessories to make everything work in harmony.

Why look anywhere else when IBT has it all? IBT can handle all your material handling needs, from replacement parts to full turn key material handling systems.

**Package/Unit Handling Conveyors**

- ▲ Roller & Belt Conveyors
- ▲ Modular Plastic Belt
- ▲ Accumulation
- ▲ Gravity
- ▲ Pallet Handling
- ▲ Overhead Conveyors
- ▲ Stainless Steel

**Bulk Handling Conveyors & Components**

- ▲ Screw Conveyor
- ▲ Bucket Elevators & Accessories
- ▲ Idlers
- ▲ Drag Conveyors
- ▲ Troughed Belt Conveyors

**Robotic Systems**

- ▲ Palletizing/Depalletizing Applications
- ▲ Machine Tending
- ▲ Packing

**Industrial Manipulators**

- ▲ Pick & Place
- ▲ Extended Reach for Operator
- ▲ Ergonomics

**Conveyor Accessories & Special Equipment**

- ▲ Belts
- ▲ Casters
- ▲ Pushers & Diverters
- ▲ Conveyor Rails
- ▲ Electrical Accessories
- ▲ Gates & Guard Rails
- ▲ Package Stops
- ▲ Pulleys
- ▲ Rollers
- ▲ Supports & Stands
- ▲ Safety Equipment
- ▲ Transfers
- ▲ Wear Strips



IBT provides cost-effective integrated material handling systems centered on meeting your business objectives.

Our Engineering Services Group will provide the research, design, installation, system commissioning and training throughout the entire project. IBT Engineers are responsible for all aspects of your project and will ensure your system operates at maximum capacity and effectiveness.

**Engineering Support Systems & Services**

- ▲ Panel/Enclosure Design & Fabrication
- ▲ Automation & PLC Design
- ▲ Start-Up, Implementation & Operator Training
- ▲ Small to Large Material Handling Systems Configuration

**Material Handling Solutions**

- ▲ Improve efficiency & throughput
- ▲ Lower operational costs
- ▲ Level out production flow
- ▲ Increase available floor space
- ▲ Improve ergonomics
- ▲ Flexible designs allow for future changes
- ▲ Reduce waste of material movement within facility



For an IBT location near you  
call **1-800-332-2114** or visit **www.ibtinc.com**

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