



**Engineering
Support**

**A Value Added
Resource**

Belt Drives

 **TB Wood's[®]**
Incorporated

An Altra Industrial Motion Company



TB Wood's ENGINEERING RESOURCE

OBJECTIVE

Quickly and accurately translate customer information into a delivered solution.

PROCESS

Use our knowledge and understanding of mechanical power transmission systems to provide the best drive for an industrial application.

ACTIVITIES

- Design
- Selection
- Training

SUPPORT CHANNEL

- By phone: **888-TBWOODS**
- By email: **mechanical@tbwoods.com**
- In person site visit



VALUE ADDED ACTIVITY

WE SHORTEN OUR CUSTOMERS DESIGN CYCLE BY DOING DRIVE COMPONENT DESIGN.

We evaluate the customer's application requirements to determine if standard components can be applied. We will recommend made-to-order components if necessary and/or beneficial.

We have solutions for fixed, adjustable and variable speed applications and those with multiple shaft arrangements.

We can apply our design and manufacturing experience to generate special designs like clamped hubs, split wheels, taper pulleys and flywheels.

Our group has an understanding of industry standards like MPTA, ARPM (formerly RMA) and ISO. Designs can adhere to these standards or they can be customized based on the customer's requirement.

We can assist the design process by reviewing customer component drawings for manufacturability.



WE APPLY OUR EXPERIENCE TO GENERATE EFFECTIVE DRIVE SELECTIONS.

We provide V-belt and synchronous belt drive selections for industrial light duty, standard duty and heavy duty applications. This encompasses all HP ranges; from fractional HP to thousands of HP.

We will select the appropriate product family and the specific drive details for each application. The drive detail report includes performance ratings, installation parameters and a part list.

We can redesign drives to incorporate new technology like Aramid fiber belt drives and/or redesign to use more common products.

We evaluate opportunities for savings like:

- Improving efficiency (energy use)
- Total life cost
- Performance enhancement

We interchange old or competitive part number references to TB Wood's part numbers.

IMPROVE THE EFFECTIVENESS OF MAINTENANCE TEAMS BY PROVIDING PRODUCT TRAINING.

Awareness can lead to improved system uptime and drive life.

- Proper installation techniques
 - Bushing system
 - Alignment
 - Belt tension
- Problem indicators
 - Visual and audible

SELF SERVE TOOLS

www.tbwoods.com

- Accessible from any device with internet connection
- User settings are always recalled regardless of device
- New solutions always use latest software version
- Easier retrieval and sharing of prior solutions

Technical support in Chambersburg, Pennsylvania for immediate response to user's questions



Belted Drives and Sheaves

TB Wood's

Belted Drives

Chambersburg, PA - USA
1-888-829-6637 – Press #5

For application assistance:
 1-888-829-6637 – Press #7

Couplings

Ameridrives Couplings

Mill Spindles, Ameriflex, Ameridisc

Erie, PA - USA
1-814-480-5000

Gear Couplings

San Marcos, TX - USA
1-800-458-0887

Ameridrives Power Transmission

Universal Joints, Drive Shafts, Mill Gear Couplings

Green Bay, WI - USA
1-920-593-2444

Bibby Turboflex

Disc, Gear, Grid Couplings, Overload Clutches

Dewsbury, England
+44 (0) 1924 460801

Boksburg, South Africa
+27(0) 11 918 4270

Guardian Couplings

Engineered Flywheel Couplings, Engine Housings and Pump Mounts, Flexible Shaft Couplings

Michigan City, IN - USA
1-219-874-5248

Huco Dynatork

Precision Couplings and Air Motors

Hertford, England
+44 (0) 1992 501900

Chambersburg, PA - USA
1-888-829-6637

Couplings Cont.

Lamiflex Couplings

Flexible Couplings, Bearing Isolators, and Coupling Guards

Cotia, SP - Brasil
+55 (11) 4615-6300

TB Wood's

Elastomeric Couplings

Chambersburg, PA - USA
1-888-829-6637 – Press #5

For application assistance:
 1-888-829-6637 – Press #7

General Purpose Disc Couplings

San Marcos, TX - USA
1-888-449-9439

Electromagnetic Clutches and Brakes

Inertia Dynamics

Spring Set Brakes; Power On and Wrap Spring Clutch/Brakes

New Hartford, CT - USA
1-800-800-6445

Matrix International

Electromagnetic Clutches and Brakes, Pressure Operated Clutches and Brakes

Brechin, Scotland
+44 (0) 1356 602000

New Hartford, CT - USA
1-800-825-6544

Warner Electric

Electromagnetic Clutches and Brakes

New Hartford, CT - USA
1-800-825-6544

For application assistance:
 1-800-825-9050

Saint Barthélemy d'Anjou, France
+33 (0)2 41 21 24 24

Precision Electric Coils and Electromagnetic Clutches and Brakes

Columbia City, IN - USA
1-260-244-6183

Engineered Bearing Assemblies

Kilian Manufacturing

Engineered Bearing Assemblies

Syracuse, NY - USA
1-315-432-0700

Gearing

Bauer Gear Motor

Geared Motors

Esslingen, Germany
+49 (711) 3518-0

Somerset, NJ - USA
1-732-469-8770

Boston Gear

Enclosed and Open Gearing, Electrical and Mechanical P.T. Components

Charlotte, NC - USA
1-800-825-6544

For application assistance:
 1-800-816-5608

Nuttall Gear and Delroyd Worm Gear

Worm Gear and Helical Speed Reducers

Niagara Falls, NY - USA
1-716-298-4100

Heavy Duty Clutches and Brakes

Industrial Clutch

Pneumatic and Oil Immersed Clutches and Brakes

Waukesha, WI - USA
1-262-547-3357

Svendborg Brakes

Industrial Brakes and Brake Systems

Vejstrup, Denmark
+45 63 255 255

Twiflex Limited

Caliper Brakes and Thrusters

Wichita Falls, TX - USA
1-844-723-3483

Twickenham, England
+44 (0) 20 8894 1161

Heavy Duty Clutches and Brakes Cont.

Wichita Clutch

Pneumatic Clutches and Brakes

Wichita Falls, TX - USA
1-800-964-3262

Bedford, England
+44 (0) 1234 350311

Linear Products

Warner Linear

Linear Actuators

Belvidere, IL - USA
1-800-825-6544

For application assistance:
 1-800-825-9050

Saint Barthélemy d'Anjou, France
+33 (0)2 41 21 24 24

Overrunning Clutches

Formsprag Clutch

Overrunning Clutches and Holdbacks

Warren, MI - USA
1-800-348-0881 – Press #1

For application assistance:
 1-800-348-0881 – Press #2

Marland Clutch

Roller Ramp and Sprag Type Overrunning Clutches and Backstops

South Beloit, IL - USA
1-800-216-3515

Stieber Clutch

Overrunning Clutches and Holdbacks

Heidelberg, Germany
+49 (0) 6221-30470

For information concerning our sales offices in Asia Pacific check our website www.altramotion.com.cn



An Altra Industrial Motion Company

www.tbwoods.com

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