



Matrix, based in Brechin, Scotland, has over 65 years of experience in delivering high technology and cost effective engineered solutions. Matrix is a leading designer and provider of electromagnetic clutches and brakes used in forklift trucks and servo motor brakes. Matrix also offers world class custom design engineering and manufacturing of hydraulic clutches and brakes used in off-highway and printing applications.

#### Customer Service

1-800-825-6544

#### Application Support

1-800-825-9050

[www.matrix-international.com](http://www.matrix-international.com)

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#### LWB

The LWB is an electrically applied forklift load wheel brake. It features a compact design that fits inside a load wheel, operator controlled variable torque, and zero drag torque. It is available in single disc and multi-disc versions.



#### ERD

The Electro-Released Dynamic brake (ERD) is a failsafe brake designed for dynamic applications. It is an on/off dry failsafe brake. It has torque capacities from 5 to 300 Nm and comes in eight different sizes.



#### PK

The Pan-Cake (PK) range is a pre-assembled on/off dry failsafe electromagnetic brake. This failsafe brake is used for parking and emergency only. The AC motor is used in combination with the PK brake for regenerative braking of the truck.



#### ERD H

The ERD H is particularly suitable for ride-on trucks with high load capacity such as order pickers and pallet trucks. It has torque capacities from 20 to 100 Nm. It is activated by spring pressured hydraulic pressure proportional to the load.



#### ERD HBF

The ERD HBF is particularly suitable for demanding reach trucks, very high load capacity ride-on trucks and counterbalance trucks. It has torque capacities from 20 to 150 Nm. It is a parking brake actuated by spring pressure and a working brake actuated by the foot pedal.



#### 1 EB Series

Matrix Servomotor brakes provide high torque in small space envelopes. They offer torque ratings from 1 to 4425 in.lbs.



#### SAE Hydraulic Brakes

Spring-applied, hydraulic released multi-disc brakes are fully enclosed making them suitable for harsh working environments and are available in wet and dry versions with static torque ranging from 500 to 14,000 (in.lbs.). These brakes are frequently used as a parking brake on lift vehicles.



#### 1CD Spring Set Electrically Released

Caliper Brake. Up to 660 pounds clamping force. 24 to 90 volt coils available.

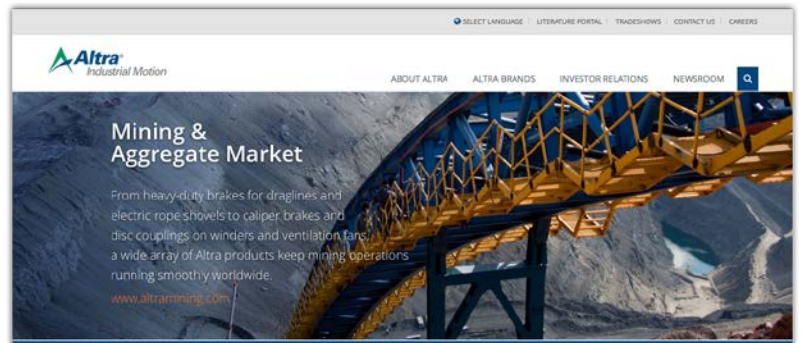
# Online Resources

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## Everything Altra

From the Altra homepage you can connect to all of our brands, and visit our market portals to find solutions for your specific needs.

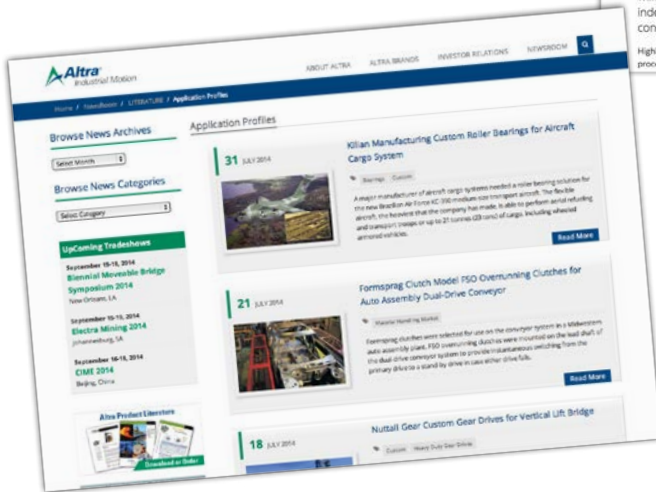
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We are a leading global designer and manufacturer of quality power transmission and motion control products utilized on a wide variety of industrial drivetrain applications.

Altra clutches and brakes, couplings, gearing and PT component product lines are marketed under 22 well known manufacturing brands that have each been in existence for over 50 years. Operating independently, each of these companies is committed to the guiding principles of operational excellence, continuous improvement and customer satisfaction.

Highly-engineered Altra solutions are sold in over 70 countries and utilized in a variety of major industrial markets, including food processing, material handling, packaging machinery, mining, energy, automotive, primary metals, turf and garden and many others.



## Get Connected

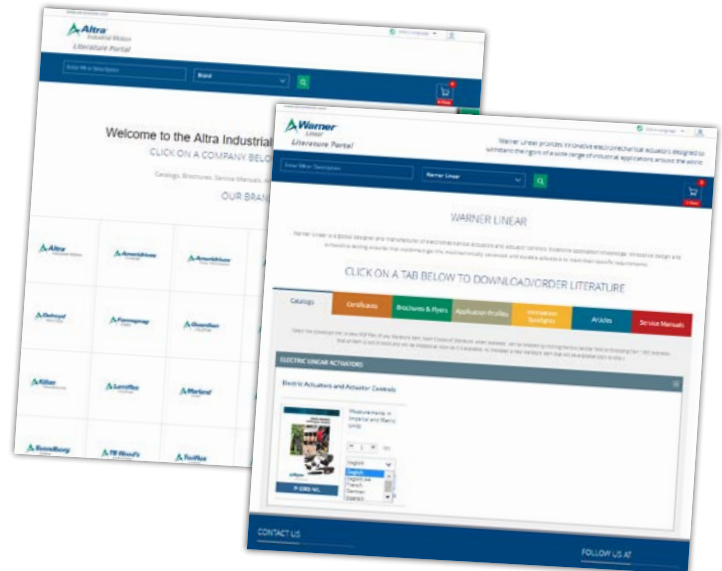
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- Formsprag Clutch
- Guardian Couplings
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- Inertia Dynamics
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