Power Transmission Solutions for the Servo Motor Industry
For more than 30 years, Matrix International, a company of Altra Industrial Motion, has manufactured more than 1000 variants of spring-applied, electromagnetically released brakes for servo motor manufacturers in Europe, USA and Asia.

Servo-driven solutions can achieve faster speeds with more precise accuracy while providing greater flexibility and quicker changeover in various industrial applications including:

- Robotics & Industrial Automation
- Machine Tool
- Medical
- Automotive
- Printing & Paper Converting
- Assembly & Semiconductors
- Renewable Energy

Our experienced design and development team provide solutions that meet the specific requirements of a wide range of servo motor applications. 3D CAD and mathematical modelling software, alongside computer-controlled test and data capture equipment ensure very high quality and consistency levels.

Our flexible engineering systems support design, development, manufacturing and testing of custom solutions. Working with your design team, we can engineer brakes that:

- Provide specified performance within given space restrictions
- Closely integrate the brake with the motor
- Use friction materials to meet specific torque, temperature & energy requirements

Permanent magnet brake features:

- Zero backlash
- No contact when disengaged
- No ‘drag’ torque
- Low noise in operation

Matrix International’s quality system is accredited to ISO 9001 ensuring that product design and development, manufacturing and service are of the highest standard. Our refined manufacturing processes and quality supply chain partners help us provide cost effective products that meet or exceed our customer expectations.
CUSTOMISED BRAKE OPTIONS

- Toleranced recesses for bearings and encoders
- Customised geometry for space critical applications
- Adapter plates to mount on smaller PCDs & larger
- Lead length, colour, type and connectors
- Low/Zero backlash
- Operating voltage
- Reduced power consumption options
- Double disc, 2 x torque option

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