THE RIGHT COMBINATION
1980  PEI founded in Bologna
1985  SPER founded in Cremona
2001  Zanini takeover by PEI Group
2005  Start of Bus bellows development
2009  PEI East opens in Serbia
2011  Train bellows # 120 sold
2012  Bus bellows # 450 sold.
1989  ATG established to design and manufacture articulations for articulated buses. The ARTIC-O-MAT range of articulations has expanded considerably since 1989.

1991  ATG opens the new factory in SIEK (near Hamburg).

1993  Start of serial production of the ARTIC-O-MAT Lyon pusher articulation for the RVI Agora.

1994  ATG is ISO 9000 certified.

1996  Bus Articulation number 1 000 is delivered to New Flyer Industries.

2000  Bus Articulation number 2 000 is delivered to IRISBUS.

2008  ATG starts the design and development of articulations for LRV’s.

2010  Bus Articulation number 5 000 is delivered to New Flyer of America (D60LF). Tram Articulation serial production commences.

2012  Bus Articulation number 5 800 will be delivered to VOLGABUS. Tram articulation number 228 will be delivered to SKODA.
ATG can supply the complete articulation system consisting of

- PEI folding bellows
- ATG centre hoop
- ATG hose and cable guiding.
- ATG turntable cover plates
- ATG articulation
- Connecting chassis cross members and bolts.

The ATG / PEI articulation systems are easy to install, robust and durable.

The design of the system can tailor made to suit the customer’s requirements, high or low floor in pusher or puller modes.
PEI manufactures bellows for all applications

- High floor
- Low floor
- Translucid

- The PEI Bellows has patented design features that shorten the installation time considerably.
- Every new material is tested in a certified test laboratory for mechanical resistance, wear, extreme temperatures and any special customer requirements.
- All of our materials are certified to the current flame and smoke standards.
- Every new development and design improvement is subjected to a dynamic test of at least 1,000,000 cycles on a full scale test jig.

THE RIGHT COMBINATION
THE ARTICULATIONS

The ATG ARTIC-O-MAT range of turntables are manufactured for both pusher and puller articulated buses. Three versions are available, one to suit every floor height.

The **Standard** for high floor buses
The **Compact** for buses with an intermediate floor height.
The **Limbo** for low floor buses.

ATG can provide a customised installation for any bus concept

STATE OF THE ART DESIGN TOOLS

3D – CAD (Autodesk Inventor 5.3)
FEM – analysis (MSC.Nastran)
Cast simulation (Magmasoft)

The ATG articulations are subjected to a rigorous development and test program before serial production commences. The current Limbo II articulation was subjected to extensive hydro pulse testing and in vehicle endurance testing. Every Limbo articulation undergoes a complete functional check on our in house hydraulic test jig

THE RIGHT COMBINATION
THE ARTICULATIONS

THE RIGHT COMBINATION

FLOOR SYSTEMS

Hose & cable guiding systems

Chassis cross members
THE RIGHT COMBINATION