Rotary joints
Solutions for safe transfer of fluids
Maier America prides itself on having well-trained and experienced technicians with proven experience and expertise in the rotary joint field. Our professional expertise allows us to select the right rotary joint for each application. Maier Germany, our corporate headquarters, is a company internationally recognized for the quality of its products. Certification according to ISO 9001, ATEX 94/9/CE, PED 97/23/CE, AD2000 HPO and TRD201 in connection with DIN EN 729-3 guarantees the highest quality products. Our trademark is quality.

**Rotary Joints**

Rotary Joints are components connecting stationary pipes to rotating rollers and tables for transferring media under pressure for heating and cooling systems. Maier Rotary Joints, premier in the industry, are designed for cold and hot water, steam, thermal oil up to 400°C/752°F, hydraulic oil, air and chemical media, high running speeds and temporary “dry run” applications.

**We offer rotary joints for:**
- Calenders for paper (super and soft calendars)
- Calenders for plastic, rubber, non-woven products
- Printing and flexographic machines
- Steel, chemical and food processing industry
- Chip board plants
- Textile and tannery machines
- PET bottle machines / blow molding machines
- Rotational/slush molding machines
- Rotating dryers/mixers
- Tobacco processing machines

Maier has more than 50 years experience in producing rotary joints. We produce more than 2000 versions of standard and custom-made rotary joints, from single passage to multi passage, from DN 10 (1/4”) to DN 400 (16”).

**Repair Service**

Maier America’s role is to continue and advance the excellent tradition of services that Christian Maier GmbH & Co.KG has established. A core component of Maier America’s customer based services is a repair and service center which provides immediate local support for customer needs.

As added value to repairs, our repair center offers evaluations of rotary joints, including complete evaluation reports with photos, and trouble shooting advice for corrections to improve the service life of your rotary joints.

Our repair procedures include: replacement of all wearing parts, such as seals, bearings, gaskets, bushings etc.; spare parts and any other additional parts are replaced if any signs of wear are detected; cleaning; glass bead blasting of housing (inside and outside); lapping of all sealing surfaces; dynamic seal and leak testing; re-painting.
COMPETENCE IN OIL:
Rotary joint for thermal oil at high temperatures and speeds with a balanced axial face seal. DQ, DQT and DQTX up to 752°F: “leak-free” solution with additional cooling circuit for cooling and lubrication of bearings and seals. Versions DQL up to 446°F, without cooling circuit. Internationally patented.

Universal rotary joint for various media, with a balanced axial face seal and ball bearings. Application-specific seal materials. Particularly suitable for the printing and plastics industries.

Water rotary joint with a loaded axial face seal and ball bearings. DXS with highly resistant ceramics-coated counter runner surface.

Universal rotary joint with maintenance-free carbon sealing rings and carbon bushing. Metal-impregnated sealing rings for thermal oil and higher pressure loads with water and steam applications. H3 with integrated vacuum valve for steam cylinder.

New Generation – Improved, fortified design of the standard H series. More robust, faster, more flexible (modular system), low friction moment, large variety of different designs, ½” - 12”. For thermal oil, water and steam, maintenance free.

High performance rotary joints for high speeds on tooling machines. These rotary joints supply the tools with coolant or air, type TESS is suitable for dry run and can withstand pressure peaks. Rotor supported types are suitable for 16,000 RPM, housing supported types for 24,000 RPM and 42,000 RPM. Maximum pressure is 2,175 psi.

Multi channel rotary joint for simultaneous transfer of up to 10 different media. For turntables, tools and swiveling molds.

Rotary joint for steam and hot water at high pressures and speeds. Balanced axial face seal. Particularly suitable for paper calendars, fiber and corrugated paperboard systems. Internationally patented.
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Maier America is a 100% subsidiary of Christian Maier GmbH & Co.KG, Heidenheim, Germany. The German headquarters was founded in 1925. Maier is technology leader and specialist for rotary joints (rotating unions). For more than 80 years Maier has developed extensive technological know-how and international presence with two subsidiaries in USA and Italy as well as more than 40 distributors world-wide. Christian Maier GmbH & Co. KG’s mission is to be the first choice for Rotary Joint customers around the world.

CATALOGUE REQUEST

Via internet: www.maieramerica.com
Via e-mail info@maieramerica.com
Via fax: Copy this page, complete the information and fax it to 770.409.0069

Please send us catalogues for the following rotary joint types

DQ  DP  DX  H  HW  K  MP  DC

Company: _________________________________
Name: _________________________________
Position: _______________________________
Street Address: _________________________
City, State, Zip Code: ___________________
Tel: _________________________________
E-mail: _______________________________