

NENCO

in collaboration with

mayr CENTA

GERMANY

POWER TRANSMISSION



We keep things moving ...

www.nenco.org

The Vital Connections



Since its formation in the year 1985, NENCO has concentrated mainly on solving application problems involving flexible shaft couplings. Today, NENCO is a leader in the field of mechanical power transmission and offers the worlds most complete line of couplings for industrial and servo applications. Our range of industrial couplings include :

- **NENFLEX** wide range of jaw couplings in over 2000 designs.
- **flexiMAX** all metallic membrane couplings.
- **flexiPAD** torsionally soft safety couplings.
- **EAS - NENFLEX** torque limiting couplings.
- **ROBA - NENFLEX** torque limiting couplings.

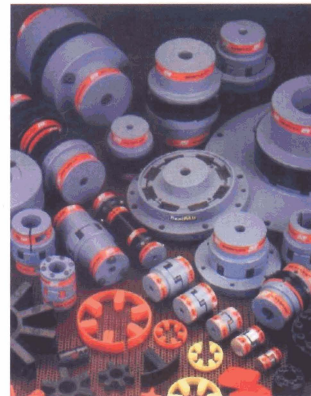
Through a strategic alliance with two global leaders, Mayr GmbH + Co Kg, Germany, and Centa Antriebe Kirschey GmbH, Germany, Nenco has the expertise to offer a complete range of couplings and transmission products for a diverse range of application.



flexiMax membrane coupling with a rating of 28000 Nm for hot strip mill in a steel plant.



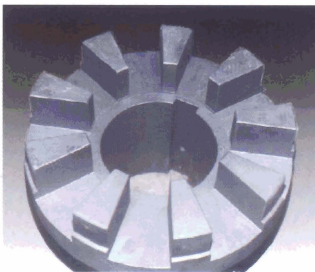
NENFLEX coupling with a rating of 58000 Nm for a steel plant.



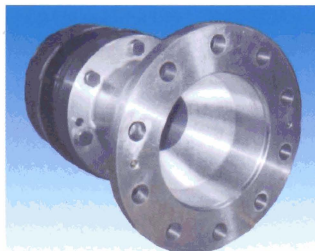
NENFLEX torsionally flexible jaw couplings - from fractional to 10000 hp.



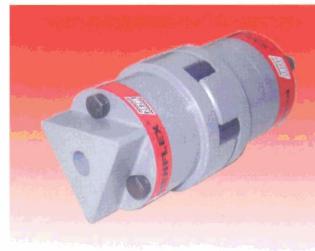
flexiMax torsionally stiff all metallic membrane couplings upto 80000 Nm.



Open view of a large **NENFLEX** coupling.



Custom built coupling for Sulzer reciprocating compressor with a rating of 20000 Nm.



Spacer coupling with triangular adaptor for pumps with short shaft extensions.



Custom designed couplings in stainless steel for a hydel project.



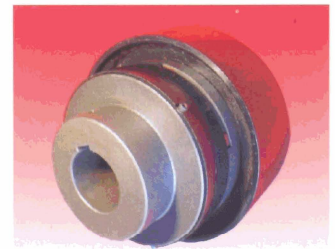
EAS - NENFLEX torque limiting coupling with clutch and brake drum for bucket wheel excavator.



EAS - NENFLEX torque limiting coupling for cement plant.



EAS - FlexiPAD torque limiting coupling.



NENFLEX coupling with Brake Drum.



Backlash free products for positioning and servo applications



Mayr, a hundred year old world leader has rich experience in the development and manufacture of safety clutches, servo couplings, safety brakes, and motion control solutions tailored to suit a diverse range of applications.

- **smartflex** the patented steel bellows couplings.
- **Roba-ES** backlash free elastic couplings
- **ROBA-DS** all steel coupling with a patented disc design.
- **EAS** safety clutches for complete protection to machines.
- **ROBA- stop** spring applied safety brakes for positioning and holding.

Nenco, has a rich experience of over two decades in the design and manufacture of highly precision products for positioning applications.

- **spirex** miniature couplings for encoders.
- **servostar** backlash free elastic couplings for servo drives.
- **mecaloc** keyless shaft hub locking devices & shrink discs.



Spirex - miniature one piece coupling for encoders.



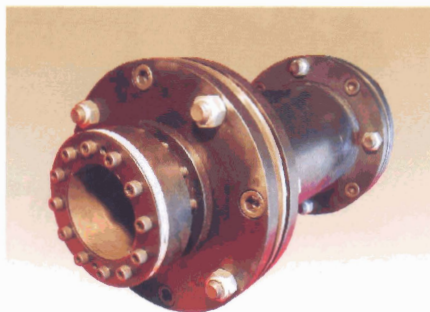
Servostar backlash free shaft couplings.



Customised servostar couplings for robotic application.



Servodisc backlash free membrane coupling with shrink disk for positioning application



Custom designed Servodisc backlash free coupling with shrink disc for a rating of 24000 Nm and a keyless shaft of 125 mm.



Roba-DS torsionally rigid backlash free all steel coupling 30 Nm to 16000 Nm.



ROBA-ES backlash free shaft coupling 4 Nm to 1310 Nm.



Customised ROBA-ES coupling for CNC gantry crane with spacer distance of 3000 mm.



Smartflex torsionally stiff coupling.



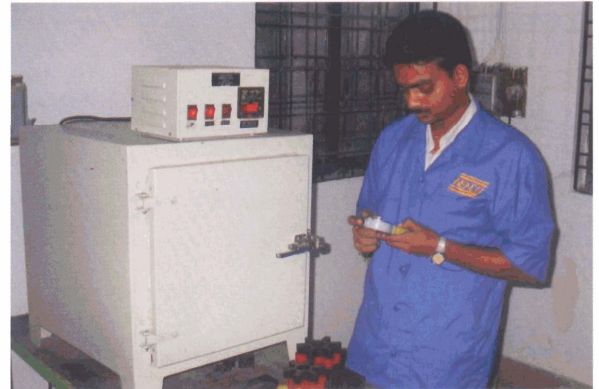
ROBA-Stop safety brake for positioning and holding.



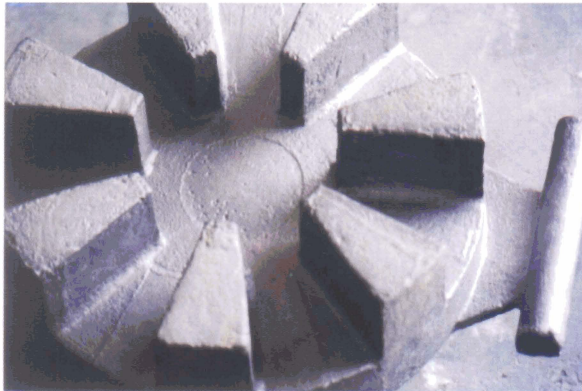
In house test facility at NENCO

Our products are subjected to aggressive endurance tests on our unique in-house test beds. We have a full fledged testing facility for the wide range of mechanical power transmission products manufactured by us.

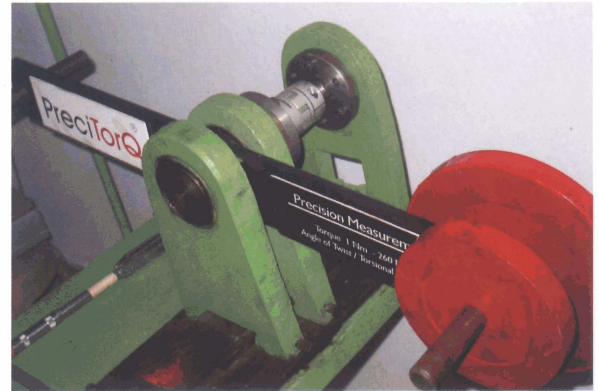
Critical castings are manufactured with integral test bars which are severed to test the actual mechanical properties, so crucial for performance on sensitive applications.



Test Facility for Elastomeric Elements



Critical Castings with integral test bar



PreciTorg Test Bench for Precision Torque Testing



Mechanical Testing of Raw Blanks



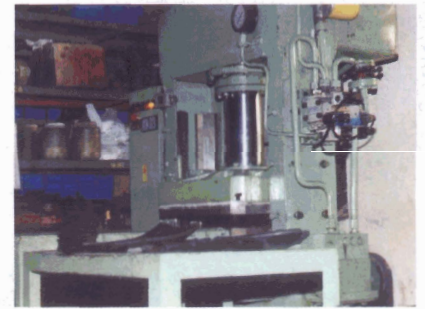
TorTest - Test Bed for measurement of Torque and stiffness characteristics.



As the market leader in power transmission products, NENCO has continuously invested in the most modern machinery, test facility and computer aided facilities. Computer aided design facilitates rapid design of new and special products.

Intensive research & development, documented through many patents, and supported by a sound manufacturing set up with CNC machining, has resulted into our overall growth and success.

Over the years, we have grown. From couplings with a rating of 10000 kW, the NENCO range, today, also includes miniature backlash free Spirex Couplings for encoders, resolvers and tiny drives.



In house CNC machining and Rubber / PU molding facility at NENCO



Spirex encoder coupling with 3 mm bore

NENCO is certified to ISO-9001-2000 by BVQI-UKAS. The DIN ISO-9001 certification at Mayr, confirms the quality consciousness of all mayr employees in every section of the company. The QA system at CENTA was originally certified to ISO-9001 in 1990 by several international inspection and classification societies. Around 50 type approvals have been granted to CENTA products.

NENCO has received the coveted "Mayr Overseas Sales Organisation of the Year" a global award, from Mayr GmbH + Co KG, Germany. Focus, commitment, research and personalised services, are just a few things you can expect from NENCO, as **Your Reliable Partner!**



NENCO Works, Pune, India



Mayr Headquarters, Germany



Centa Headquarters, Germany

We reserve the right to make alterations due to technical developments and change in designs.

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National Engineering Company

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