

## OUR BUSINESS SECTORS:

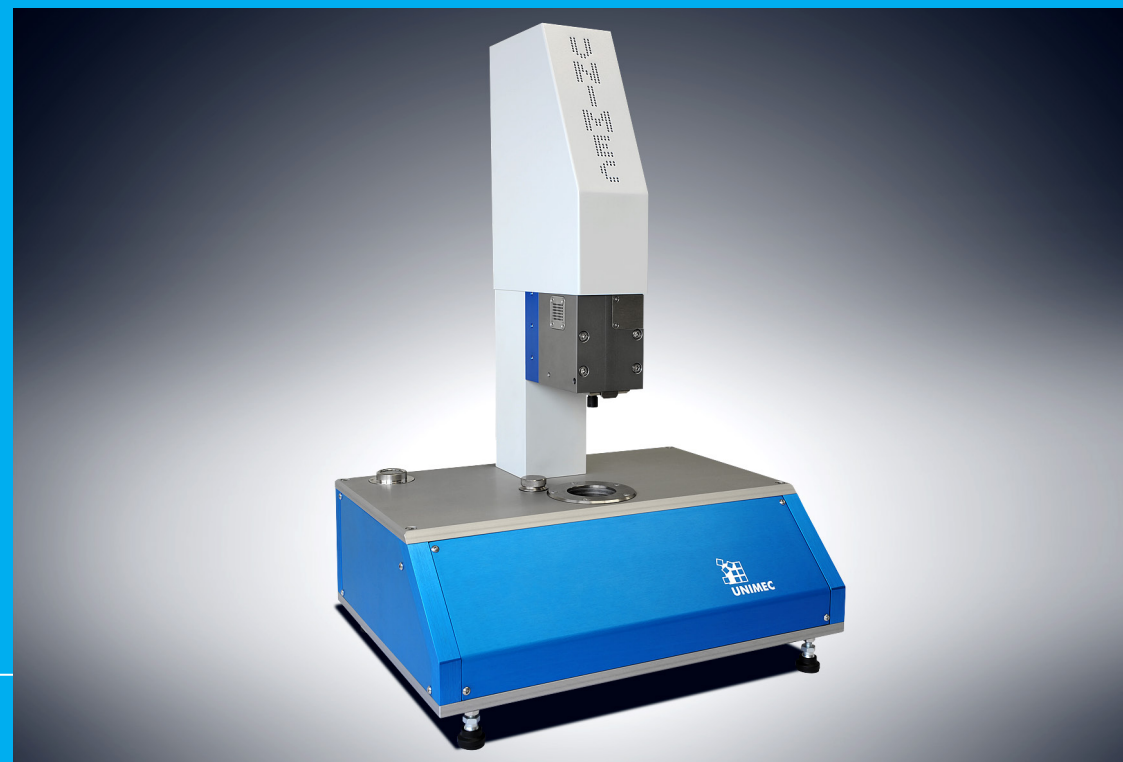
- MEASURING AND AGEING MACHINES
- ASSEMBLY AND MACHINING EQUIPMENT
- SUBCONTRACTING
- AUTOMATION UNITS

# CoupleTest

TORQUE MEASURE



Watch video of the  
product on the Internet



# CoupleTest

Measure torque on your mechanisms easily



## Equipment

This device enables measure and ageing on torques in rotation. The force and torque sensors enable measures of barrels, crowns, frictions, etc. This equipment allows reliable and combined measures.. Aerostatic bearings ensure a rotation without friction and compensate alignment errors of the measured element. The two motorizations version allows automatic engagement of the piece and measurement under constraint.

## Torque measure

The torque sensor has especially been designed for this equipment's needs. It uses a contactless communication technology.

## Force measure

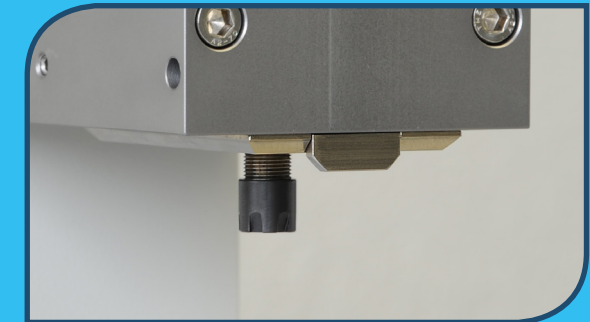
The flat bearing is associated with a force sensor. This sensor enables to measure constraint applied on the piece by displacement of the Z-axis.

## Aerostatic bearing

The rotative measure axis is assembled on an aerostatic bearing. The sensor is in direct contact with the measured piece.

## Interchangeable head

The measure head is interchangeable. Several units are available according to desired precision and measure range. A software automatically detects the new head, without needing new adjustments.



## Follow-up in real time

Curves are updated rotation by rotation, which allows a follow-up of completed measures in real time.

## Variants

Version with 1 measuring head

- Manual Z-axis
- Motorized Z-axis: possibility of automatic engagement and control of axial constraint

Version with 5 measuring heads

- Manual Z-axis
- Motorized Z-axis: possibility of automatic engagement and control of axial constraint



## Automatic alignment

The support basis is based on a flat aerostatic bearing. It allows to absorb alignment errors between watch head and components to measure. Its play is adjustable.

## Technical data

	1 head version	5 heads version
Rotation speed	from 0.4 r.p.year to 60 r.p.m.	
Movement speed Z-axis	from 0.1 to 4 mm/s	
Max. torque	± 50 mN.m with ± 0.1% M. R.	
Max. force	± 100 N with ± 1% M. R.	
Interface	1 x USB 2.0	2 x USB 2.0
Connection	230 V - 60 W / 3 bars	230 V - 100 W / 3 bars
Dimensions (l x d x h)	450 x 396 x 665 mm	717 x 556 x 665 mm
Weight	30 kg	105 kg