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CONTACT INFORMATION

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CERTIFICATION

PTB

Equipment categories

Industrial robotics /
Measurement & control /
Software

GEOMNIA

PRESENTATION / KNOW-HOW

GEOMNIA answers a wide range of industrial demands in relation to 3D metrology, embedded in or out of production lines, through a **spectrum of metrological software solutions**, the design and fabrication of **3D innovative measuring systems and machines** involving **non-contact** multi-sensor systems.

GEOMNIA offers:

- **Contactless 3D measurement apparatus** of high and very high accuracy, traceable, fast and robust which could be embedded in-line or out-of-line
- **A range of software solutions (GEOMAX)** with advanced geometrical and metrological computation capabilities, specifically developed in the aim of processing large volumes of data subject to stern restrictions on processing time
- Automatic **adjustment** and **alignment** of robot trajectories for **adaptive robotized processes requiring precision**
- High added-value 3D measurement **services based on the Laser Tracker technology**

GEOMNIA's know-how has made the 3D control of mechanical parts having various sizes and geometrical complexities (automobile, aeronautics, watchmaking,...), automatic, exhaustive, very fast and of high accuracy (few micrometers to few nanometers uncertainty),

GEOMNIA is in solid research partnership with the LNE, other research laboratories and industrial partners.

GEOMNIA is **recognized by CIR**.

GEOMNIA's software **GEOMAX** is **PTB certified**.

MARKETED PRODUCTS

Software for industrial robots	1					
Non Contact Coordinate measuring machines	1					
Laser measuring equipment	1					
Measuring machines for use in production	1					
Coordinate measurement machines softwares	1					
Inspection and control	1					

BRANDS PORTFOLIO

1 GEOMNIA



SYMOP
Membre de la FIM

Measuring Maximum Precision

GEOMNIA



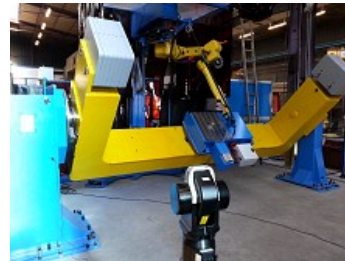
PRECILINE-AB: 3D MEASURING MACHINE & METROLOGY SOFTWARE



3D IN-LINE OR OUT-OF-LINE
CONTROL OF PARTS



LNE'S REFERENCE MACHINE FOR
CYLINDRICITY MEASUREMENT
(NANOMETRIC ACCURACY)



CALIBRATION OF A ROBOT BY
LASER TRACKER

NEW AND KEY PRODUCTS

The **3D measuring machine PreciLine-AB** is composed of an active component installed on air vibration dampers and consisting of high accuracy motion with combined rotation and translation as well as a triangulation laser scanner.

PreciLine-AB is designed for a production sight and involves a control unit and a touch screen with its console mounted on the same base.

PreciLine-AB is the first of a kind machine that could perform a helicoidal measurement over long artifacts and complex geometries, inside a workshop, with a high level of accuracy and within a few seconds. **PreciLine-AB** machine and its dedicated software can be configured in terms of specific demands and needs.

MAIN CUSTOMERS

BOSCH VALEO - DELPHI - MAGNETTO WHEELS - AIRBUS - SAFRAN - SNECMA - DASSAULT AVIATION - AREVA - FIVES - AIR LIQUIDE - ROSLER - MS3D - CIMLEC - ALEMA AUTOMATION - MICROEPSILON - LNE



SYMOP
Membre de la FIM