



**FARO**  
ARM

## Titanium & Platinum



The Measure of Success

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## Mobility - with no compromises



Foto: FARO UK Openhouse by Visioneering, 04.2004

**M**obile measurement technique: These buzzwords gain further significance in times of continuously increasing product quality requirements. Being able to inspect in situ brings various

- advantages:

- The logistical effort of moving large and heavy parts to a measuring area is removed.

- Reports concerning the quality of parts can be produced in the manufacturing environment, e.g. during or prior to assembly. If fit problems occur, the origin can be immediately detected and ideally changes can be done on the fly. Complex parts can also be measured in situ on the machining-centres eliminating the need to lose the datum

points by moving the part to a traditional CMM. A portable FaroArm has become indispensable for process capability. Parts and finished products as well as tools and jigs can be measured.

**It is important to know** that using portable measurement equipment today does not mean that there have to be compromises in terms of accuracy.

Mobile measurement equipment from FARO is often more accurate than conventional CMMs. Combining the advantages of portable measurement with the accuracy you can achieve with the Faro Gage, the decision is easy to make. Improvement in quality, reduction in costs and increased efficiency: These are the benefits Faro customers can expect.

## The FaroArm - *Give him a hand*



The flexibility of the Faro Arm is enabled through 6 or 7 joints that allow endless rotation of the major axis. At the grip you find a probe, that could be compared to a forefinger. To measure a point the probe is placed on the measurement position.

Highly accurate shaft encoders allow the arm to compute the position of the probe at any time in 3D space. So the Faro Arm works like the human arm, but

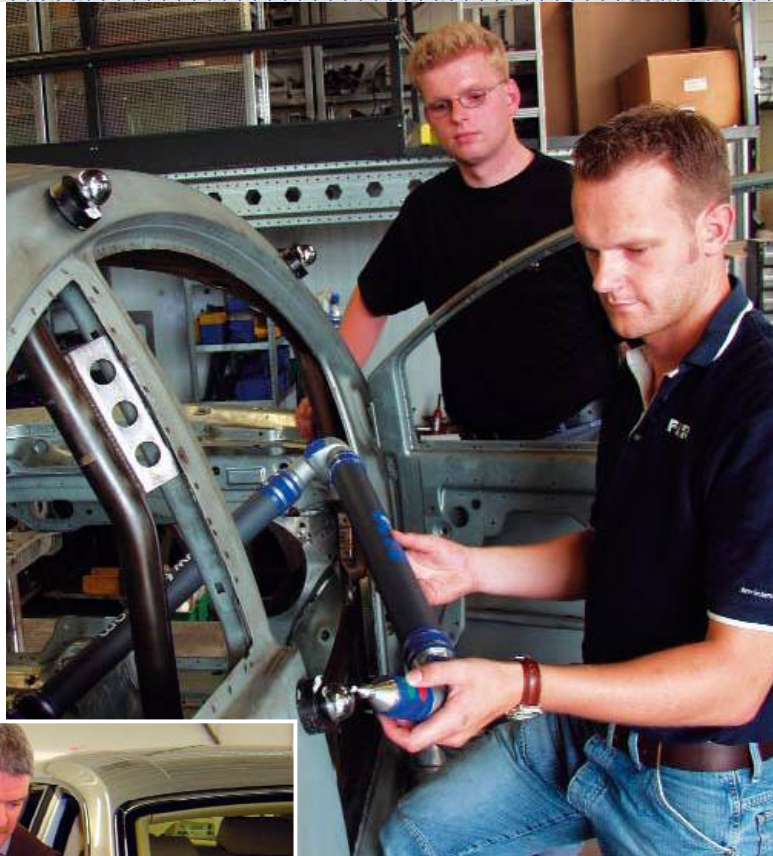
with more precision and greater flexibility.

Measurements can be made in a variety of locations with the help of various mounting options for example magnetic or vacuum mounts. Even if there is no mains voltage, the Faro Arm offers an integrated battery capable of powering the arm for hours.

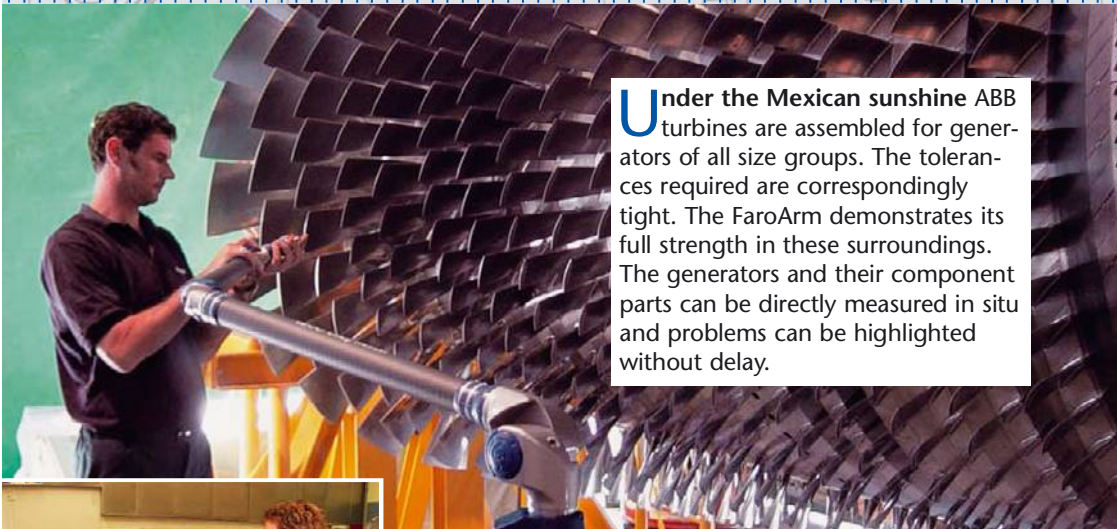


## The FaroArm - *and Automotive*

Nowadays hardly any cars are developed, planned or built without the use of a FaroArm. Whether it's a matter of measuring directly on the vehicle, on the machine tools or on the assembly line: Automobile manufacturers such as Land Rover, Jaguar, DaimlerChrysler, Volkswagen, Aston Martin, Audi, Porsche and BMW exploit the benefits of the Faro Arm system.



## FaroArms - and quality control



**U**nder the Mexican sunshine ABB turbines are assembled for generators of all size groups. The tolerances required are correspondingly tight. The FaroArm demonstrates its full strength in these surroundings. The generators and their component parts can be directly measured in situ and problems can be highlighted without delay.



**W**elding appliances are measured by Porsche with the FaroArm. The advantage: The measuring is carried out directly and on the spot, and necessary adjustments on the tool can be immediately carried out - by just one person. This lowers costs, saves a lot of time and increases the quality of the products. The risk of a possible production standstill is also reduced.



**L**arge construction machines are too big for conventional measuring devices. With the help of a FaroArm, which allows measurements to be made directly in situ. Costly transport of large, heavy components or assemblies to measuring devices is eliminated.

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