

CHALLENGES

For an orthopaedic implants manufacturer, dimension control ensures a **faster and sustainable return of patients to a better quality of life**. Technically, it means providing a perfectly functioning prosthesis by avoiding excessive clearance or friction that can arise in mechanical assembly.

Furthermore, due to the very small scale productions involved, prosthesis measurement is only occasionally required and often conducted by non-specialists.

SOLUTION

METRIX ONE is an accessible dimensions and geometry control solution. It is adapted to implant parts control. It is equipped with :

- An air plug for contactless measurement. It can control critical shape parameters of the prostheses. For instance : diameters, plane readings, angles of hip prosthesis parts such as the cup, femoral head and shank.
- A pneumatic column to indicate the measurement result and compare it to the geometrical tolerance interval.

BENEFITS

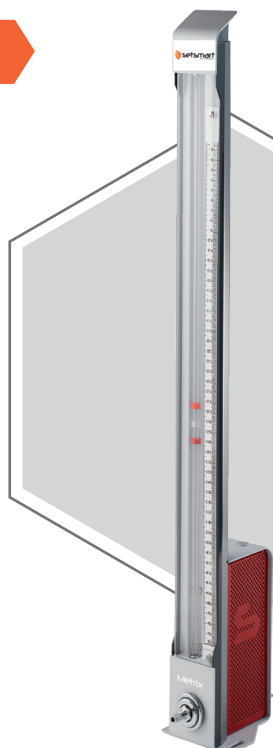
Customer satisfaction

- The solution is very accurate and precise. It reliably detects variances versus geometrical specifications. Thus only parts that fit perfectly are implanted, limiting the need for multiple surgeries.

Ease of use

- The extreme simplicity of measurement and reading avoids the need for measurement specialists.

METRIX ONE



ACCURATE AND PRECISE DIAMETER MEASUREMENTS

down to micrometers or better, and low R&R

FAST AND EASY CONTROL

quick testing (within seconds), independent of the operator's skills

MATERIAL-FRIENDLY CONTROL

with contactless pneumatic sensors that preserve the material's integrity

MADE-TO-MEASURE ANYWHERE

Installation possible in any work environment