

# OPTOQUICK

OPTICAL SPLINE  
MEASURING SYSTEM



**MARPOSS**

## INTRODUCTION

When the pursuit of quality meets the cycle time, Optoquick has your back!

We introduce the confocal measuring system that allows for quick and thorough inspection of splines up to 5mm in tooth depth.

Marposs uses the STIL group confocal sensor builder, enabling superior performance and seamless integration.

## MEASUREMENTS

The solution allows for the acquisition of the complete profile of the spline on which different measurements can be elaborated:

- ▶ **OBR**
- ▶ **OBD**
- ▶ **Root Diameter**
- ▶ **Tooth Thickness**
- ▶ **Tip Diameter**
- ▶ **Timing**
- ▶ **Runout**
- ▶ **Concentricity**

## SENSOR

The sensor used is by the market leader STIL, part of the Marposs group using the combination of the Everest sensor and the Zenith controller. The Marposs group integration allows for a seamless interface with the other sensors in the Optoquick allowing to combine measurements made with the confocal sensor with other measurements.

## INTERFACE

The user-friendly interface of the Optic software allows the operator to easily perform the measuring task in a prompt and intuitive way.

It is only necessary to tell the position where the measurement should be made and define which kind of characteristic it has to be extracted. The SW does the rest.

## ADVANTAGES

- ▶ **Faster cycle time**
- ▶ **Thorough inspection of all vanes**
- ▶ **Combined with other Optoquick sensors**
- ▶ **Flexibility of inspection**
- ▶ **Correlation with metrological lab**

## APPLICATION

**COMBINES TYPICAL OPTICAL DIMENSIONAL  
INSPECTION WITH OPTICAL SPLINE INSPECTION**

**TYPICAL FOR ROTOR SHAFTS FOR ELECTRIC MOTORS OR EVS**

**INSPECTION OF TRANSMISSION SHAFTS**

For a full list of address locations, please consult the Marposs official website

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