



The SMAC Corporation is the world leader in Moving Coil actuator technology. Founded in 1990 it is now represented in 20 countries around the world.

The patented single & multi-axis motor based actuators are unique. They allow control of position, velocity, acceleration & force and are totally programmable.

SMAC actuators are now being used in a variety of automotive applications such as:

Screw Thread Checking

Seat Belt Testing

Switch Testing

And many, many more..

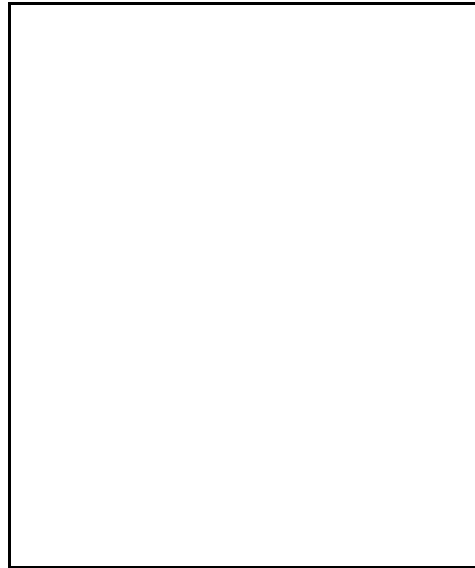
Moving coil actuators from SMAC

*The ability to do work & verify its accuracy at the same time...*

[www.smac-mca.com](http://www.smac-mca.com)



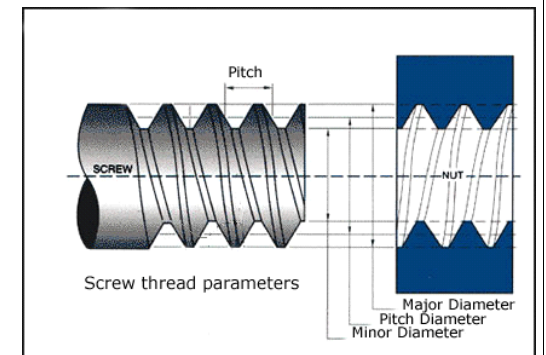
Local Distributor



[www.smac-mca.com](http://www.smac-mca.com)

100% Automated  
Screw Thread  
Checking  
Solution

FROM



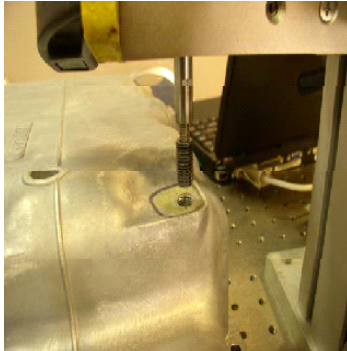
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## 100% Automated Screw Thread Checking

The requirement for strict specifications and acceptance of automotive parts has greatly increased over recent years.

● Thread inspection is no exception. Up until recently, the common practice has been the use of Eddy Current Probes, lasers, proximity sensors or a vision system. These systems have only been partly successful and today's demanding customers need to know more than just the presence of a thread.

Be it blind holes or thru holes the SMAC actuators provide a very cost effective plug & play solution.



Further to this the SMAC actuators are unique in enabling **100% detailed inspection & verification** of all parts. This enables SPC data acquisition for process control systems. Also, tool wear becomes apparent sooner, increasing the quality of all your parts. All of this translates to higher quality & throughput, lower costs and increased customer confidence.

## Automotive Customers

SMAC have an impressive portfolio of customers within the automotive industry – all who have used SMAC actuators to improve quality and enable 100% QC testing & checking of crucial components and parts.



Aus Liebe zum Automobil



The Ultimate Driving Machine

**HONDA**  
The Power of Dreams



Mercedes-Benz

**Jeep**

The SMAC solution is small & compact in size and also light in weight.

It has been designed & engineered to deliver specific advantages & benefits over other conventional solutions available today. Contact us now for more details.

## Why USE SMAC?

The unique low cost standardized screw thread checking solution from SMAC enables you to automatically check the following screw thread parameters:

**Upsize / undersize threads**

**Number of threads**

**Cross thread**

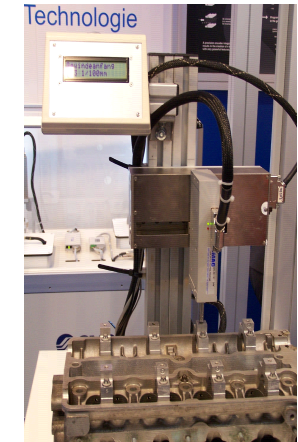
**Thread depth**

**No thread or**

**mis-located thread**

**Pitch measurement**

**Shallow hole**



**The SMAC Advantage:**

- ◆ Programmable force / torque / position & velocity in both the linear & rotary axis.
- ◆ Programmable "soft-land" function – This prevents damage to the component & thread gauge.
- ◆ Part to part datum recognition "on the fly".
- ◆ Data collection of all measurements.