

# ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY ~ NEWS

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PIATTAFORMA INDIA PROJECT

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UCIMU-SISTEMI PER PRODURRE



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## **FIVE REASONS TO CONSIDER INVESTING IN AN OPTICAL MACHINE FOR YOUR BUSINESS | [VICIVISION](#)**

Some people may question the **advantages of using optical measuring machines over other kinds of measuring instruments**. If you are seeking clarification, the following points will provide you valuable insights into the benefits of choosing an optical measuring system like VICIVISION.

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### **1. Efficiency and speed play a critical role in achieving success.**

More and more **companies are choosing to invest in automatic production control**. The technology behind optical machines **detects measurements on the external profile of the part**, performing an automatic scan through a combination of **intuitive software functions and cutting-edge hardware features**. VICIVISION clients are seeking to enhance their toolset by replacing instruments like profile projectors or manual tools with more efficient systems; optical machines can perform all required measurements using a single instrument.

### **2. Reducing inefficiency means reducing costs.**

VICIVISION optical measuring machines have been designed to **withstand the typical conditions of a shopfloor environment**, allowing our customers to **have greater flexibility**. Moreover, the VICIVISION machine **can be used by any operator**. This helps us **reduce queues and downtime**. Operators can now verify the quality of parts without leaving the shopfloor, eliminating the need for relocation. These improvements have led to a reduction in scrap parts and inefficiencies, ultimately resulting in a **significant return on investment**.

### **3. To meet the toughest needs**

**Optical measuring machines provide the necessary level of precision** even in highly specialized industries, including

**aerospace, automotive, and medical fields**. These sectors are known for producing complex parts where **no compromises can be made on form, function, and safety**. VICIVISION machines measure **automotive components, camshafts, transmission shafts, dental implants, medical screws** and more, and its use alongside CNC lathes or grinding centers can truly make a significant impact.



#### 4. Ensuring precision and consistency is crucial in today's market

An increasing number of customers are seeking advanced quality control systems **to meet stricter tolerance standards**. Using **high-resolution images** in optical measurement allows operators to test complex features, which provides **high accuracy** and enables manufacturers to achieve **outstanding performance**, even when working with **tight tolerances**. In addition, once the program is set, the measurement cycle can begin with a simple press of a button. This automated process **eliminates the need for manual intervention**, ensuring **objective and consistent results** that are **not influenced by human error**.

#### 5. To meet customers' needs.

Optical machines placed in the shop floor provide manufacturers with assurance in the production process, ensuring the **delivery of high-quality components**. The enhanced production capacity enables companies to confidently accept greater numbers of orders, making **sure to meet customer demand**.

While traditional methods of measuring turned parts are often inefficient, time consuming and unreliable, **VICIVISION offers you an efficient, accurate, reliable and faster measurement solution**.

Are you interested in VICIVISION optical measuring machines and would like more information?

[Find out more about VICIVISION optical measuring systems](#)

#### VICIVISION

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The project Piattaforma India has been promoted by UCIMU – Association of Italian Machine Tools Manufacturers and AMAPLAST – Italian Plastics and Rubber Processing Machinery and Moulds Manufacturers Association. The two associations agreed on the idea that promoting a network of associations and entrepreneurs who have developed knowledge and experience on the Indian market, can be useful in favoring of new paths of development for business. The Indian companies who are interested to form JV, cooperation, technical tie up, purchase machinery etc from/with Italian companies can contact below mentioned address for any assistance:

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