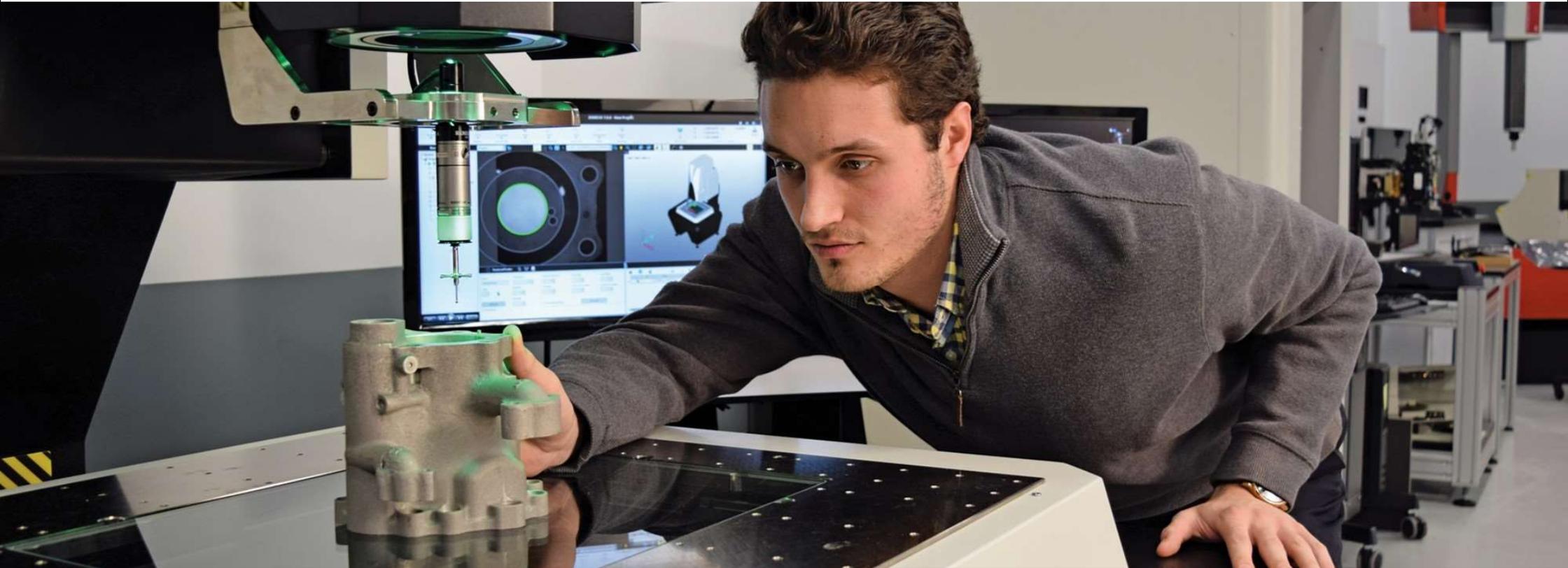




# Quality Vision International

A maior Fabricante Inspeção e medição por vídeo de do mundo





## QVI Quem somos!

- Líder de participação de mercado global em medição dimensional sem contato
- Fundada em 1945
- Propriedade Privada
- Atendendo a uma ampla gama de indústrias: Aerospace, Automotivo, Medical
  - Ótica e Fotônica
  - Usinagem, Moldagem, Aditivo
  - Placas Eletrônicas e Semicondutores
- ~500 Funcionários em todo mundo
- Centro Tecnológico em 10 países
- ISO 9001:2015 certificado
- Mais de 65.000 sistemas instalados em 78 países

# Uma História de Inovação de Medição Ótica



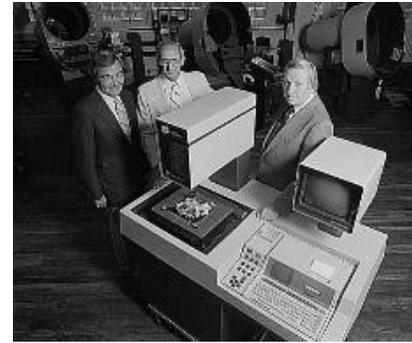
1945



1965



1975



1980



1985



1995



2005



2015



2018



# Dezenas de Modelos de sistemas de medição ótica



# Alguns de nossos grandes usuários ao redor do mundo



# ISO 9001:2015 ISO 17025:2005





**Accredited Laboratory**

A2LA has accredited

**QUALITY VISION SERVICES, INC.**  
Rochester, NY

for technical competence in the field of

**Calibration**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of ANSI/NCSLI Z540-1-1994 and R205 – Specific Requirements: Calibration Laboratory Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 10<sup>th</sup> day of July 2018.



President and CEO  
For the Accreditation Council  
Certificate Number 1864.01  
Valid to July 31, 2020

*For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.*



**REGISTRATION CERTIFICATE**

*This document certifies that the administration systems of*  
**Quality Vision International Inc.**  
*850 Hudson Avenue, Rochester, NY 14621, USA*

*have been assessed and approved by QAS International*  
**to the following management systems, standards and guidelines:**

**ISO 9001:2015**

*The approved administration systems apply to the following:*  
**Quality Vision International Inc. located in Rochester, New York, are engaged in the Design, Development, Manufacture, Sales, Service and Marketing of Inspection and Measurement Systems and Software for Quality and Process Control.**

Original Approval	22 <sup>nd</sup> December 2011
Current Certificate	22 <sup>nd</sup> December 2018
Certificate Expiry	22 <sup>nd</sup> December 2019
Certificate Number	US3427

Signed: Certification Officer 

**On behalf of QAS International**

This certificate remains valid while the holder maintains their administration systems in accordance with the standards and guidelines stated above, which will be audited annually by QAS International. The holder is entitled to display the above registration mark for the duration of this certificate, which should be returned to QAS International upon reasonable request. Issuing Office: QAS International, 5 Technology Park, Colindale Lane, London, NW9 6BX, UK



# Venda Global & Serviços



## Locations:

### Americas

- Rochester, NY, USA
- Dayton, OH, USA
- Gainesville, FL, USA
- Tempe, AZ, USA
- Ottawa, Canada

### Europe

- Budapest, Hungary
- Hofheim-Wallau, Germany
- Turin, Italy

### Asia

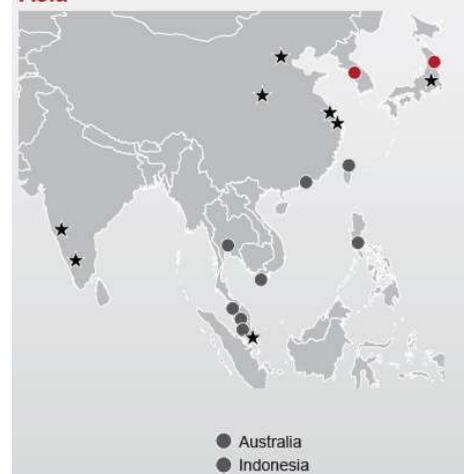
- Beijing, Shanghai, Suzhou, Xi'an, China
- Bengaluru & Pune, India
- Singapore
- Tokyo, Japan

- ★ Support Offices
- Sales Representatives
- Agents

### North and South America



### Asia



### Europe and Africa



## HOMMEL-TECH C.I.E LTDA

Av. Artur de Queirós,134 Bairro Casa Branca- Santo André-SP- Brasil

CEP.: 09015-510 TEL.: +55 11 4979-5300

Home Page: [www.hommeltech.com.br](http://www.hommeltech.com.br) E-mail: [vendas@hommeltech.com.br](mailto:vendas@hommeltech.com.br)





# SNAP – Amplo Campo de Visão, Sistema de Medição Ótica

# SNAP – Amplo campo de Visão, Sistema ótico de Visão

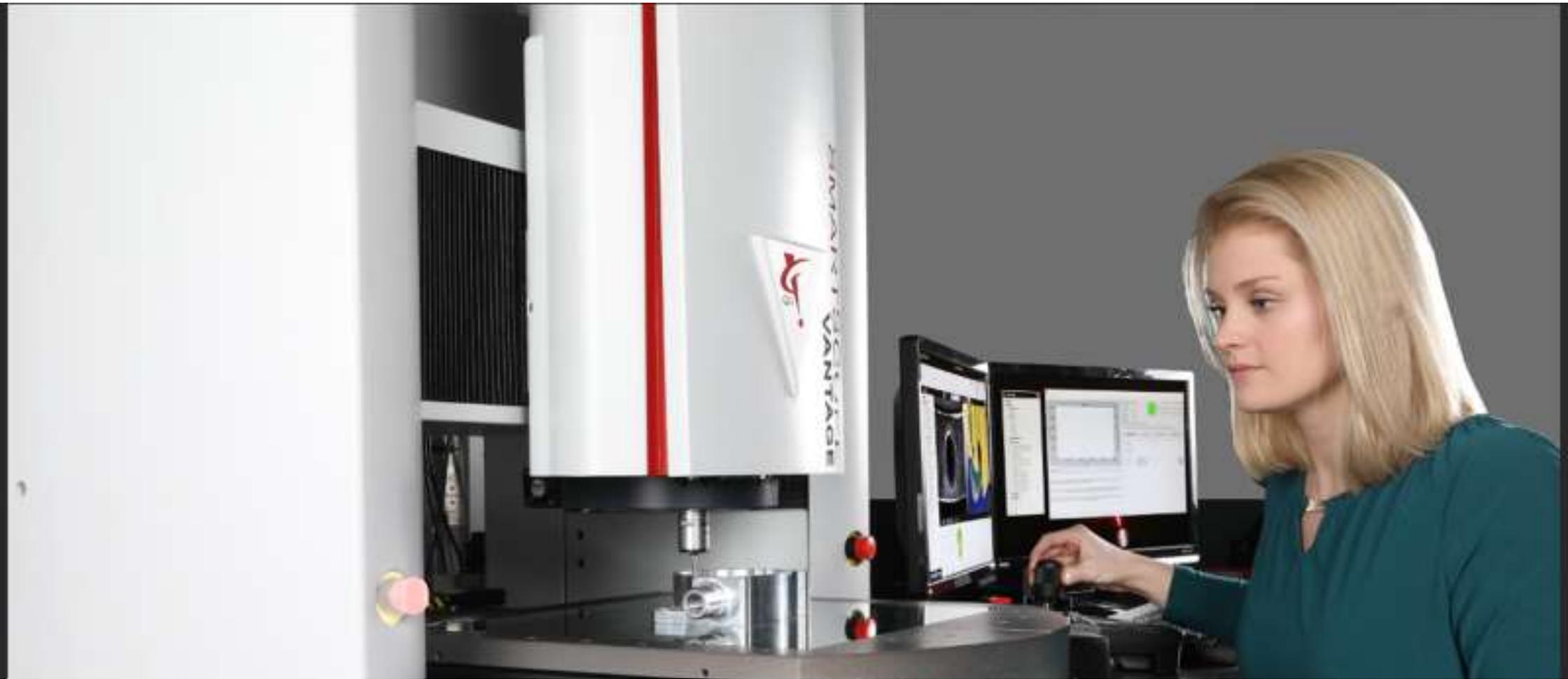


- Menor interferência do operador
- Flexibilidade & Operação Simples
- Completa análise GD&T



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## Sistema óptico de Medição 3D– Multi-Sensor CMM

# Sistema óptico de medição 3D – Multi-Sensor CMM

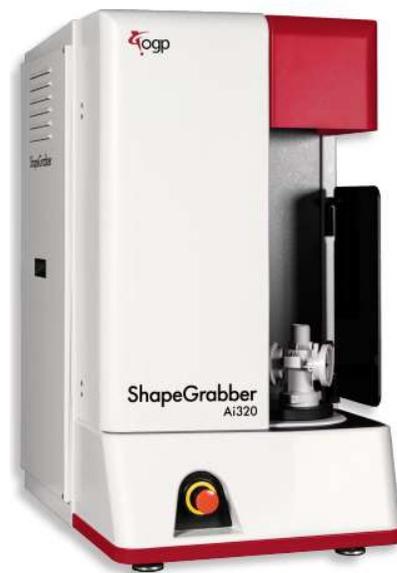


- Sistema Completo (Óptico, Laser, Apalpador)
- Modelos 100% CNC - medição automática  $X, Y, Z$
- Vários Tamanhos de Máquinas nos Eixos  $X, Y, Z$



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# ShapeGrabber – 3D Scanners



- 3D “Digitaliza e Mede”
- Scaneamento a laser e sem contato
- Inspeção de superfície automatizada em minutos.



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## ShapeGrabber – 3D Scanners-Video

- <https://youtu.be/VGXg39zMjVE> Video não anexado, requer acesso a internet)



# SmartScope Máquina de Medição ótica & Multisensor



- Combina, medição ótica, laser e tátil apalpador
- Utiliza vários recursos, geralmente encontrados em vários sistemas especializados, dentro de um único sistema
- Mede peças com mais rapidez, profundidade e precisão



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# SmartScope Video



- <https://youtu.be/KdISma9sQ4A> (Video não anexado, requer acesso a internet)



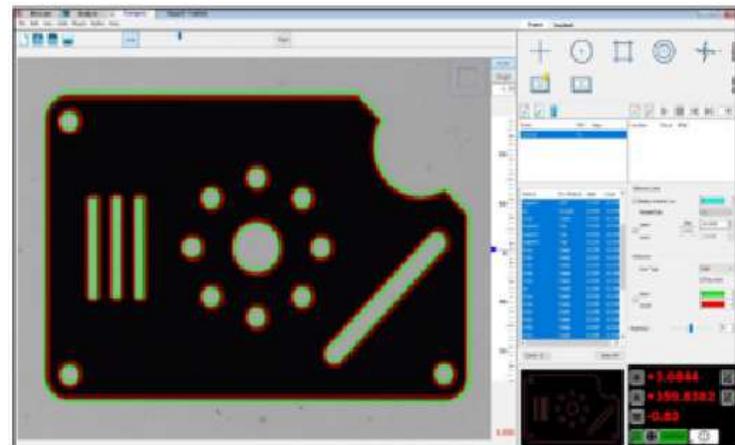
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# SOFTWARE:

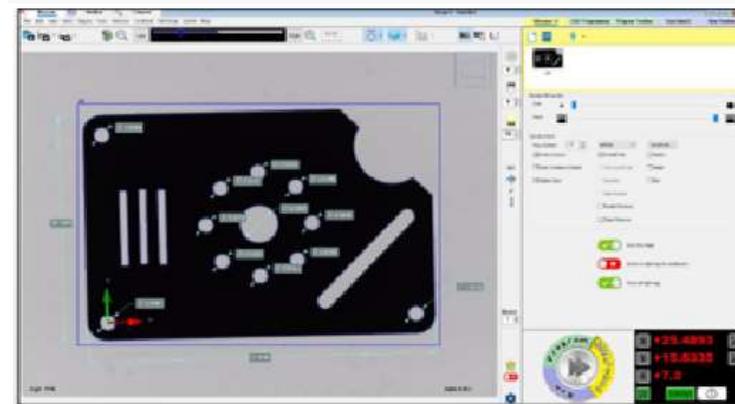
# MEASURE X



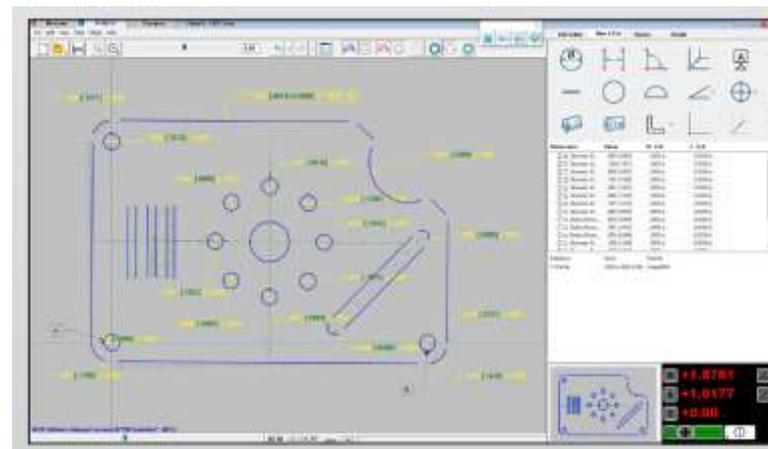
A Maneira Fácil de Medir com Alta Potência



→ COMPARAÇÃO



→ MEDIÇÃO



→ ANÁLISE



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# SOFTWARE:

# MEASURE X



## Programação de Multisensores



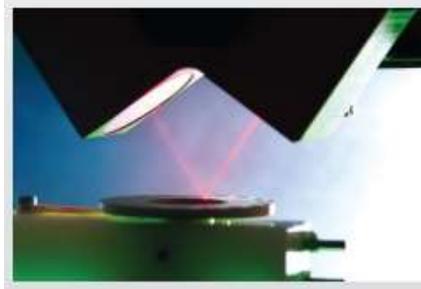
Auto Focus para reconhecimento dos elementos



Programação CNC para uso de apalpadores



Programação CNC para uso da Mesa rotativa indexada



Programação CNC para uso do Laser



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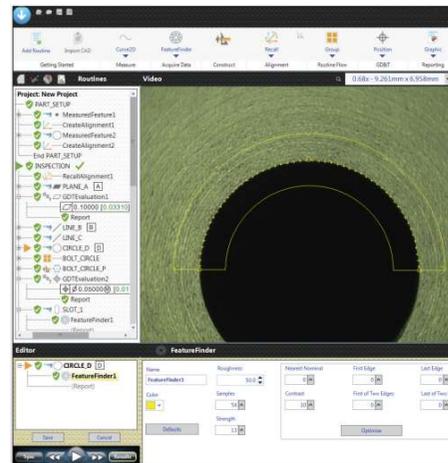
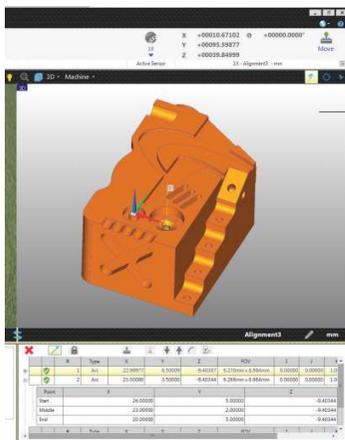
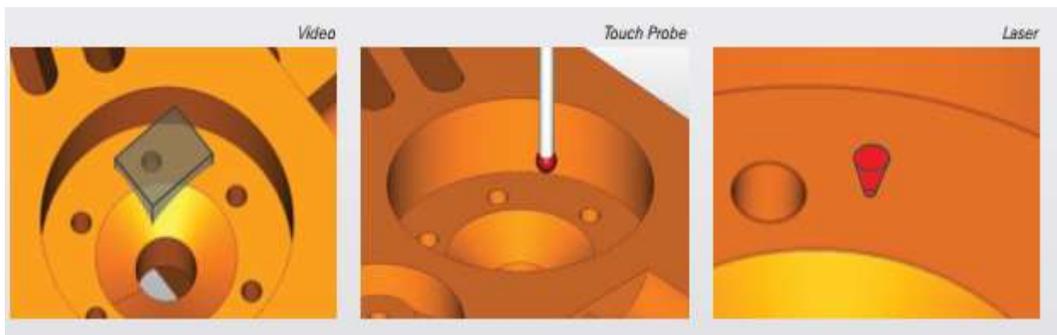
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# SOFTWARE:

# ZONE 3



## Programação de Multisensores



### Intuitive Illumination Controls

Simple controls let you program the light source, intensity, direction and angle for each measurement finder. Programmable presets let you easily re-use frequently used lighting combinations.

**Profile**

- Position
- Concentricity
- Symmetry

**Simultaneous**

- Line
- Surface

Simultaneous Evaluation

**Two tolerance condition outcomes based on selected material condition.**

Maximum Material Condition

Regardless of Feature Size

### Choose Your Own Programming Style

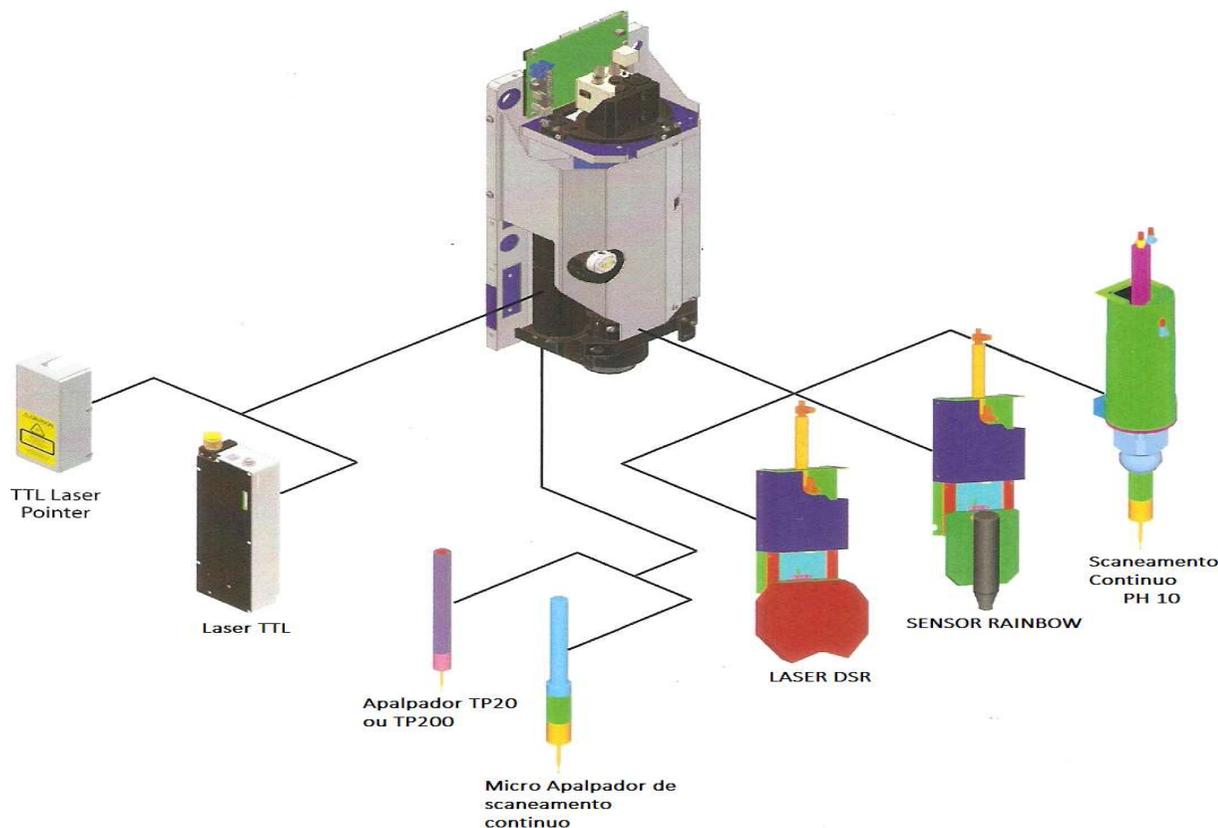
ZONE3 features a clear, simple User Interface, with all key features logically arranged and in view at all times — with no annoying pop-up windows to block the user's view.

The straightforward layout offers three logical areas to create or edit measurement routines — the Tree View Window, the Video Window and the Model Window. Work in the window that suits your style of programming.



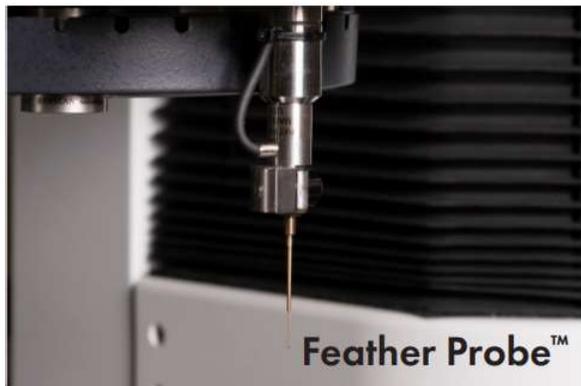
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# ACESSÓRIOS



Nossos Sistemas podem ter varias combinações de sensores de acordo com a necessidade de medição:

- CAMERA
- TTL LASER POINT
- TTL LASER
- APALPADOR TP20/TP200
- MICRO APALPADOR SCANEAMENTO CONTINUO
- DRS LASER
- SENSOR RAIBOW
- PH10- SCANEAMENTO CONTINUO



Feather Probe™

Micro-Touch Probing to Measure Delicate or Miniature Features



TeleStar® Plus TTL Laser

Long Working Distance, High Resolution Interferometric Range Sensor



# ACESSÓRIOS



Scanning Probe

Continuous Contact Scanning Capability

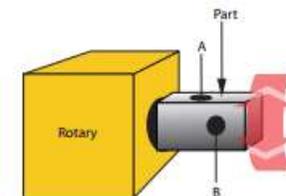


DRS™ Laser

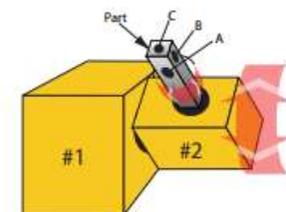
Dynamic Range Sensor for Surface Profile Measurements

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Single and Dual-Axis Rotary Indexers



Single Rotary – Measure holes A and B with optical-axis sensors by rotating the part 90°



Dual Rotaries – Part with holes A, B, C on separate surfaces  
 • Rotate rotary #1 until the part is horizontal  
 • Rotate #2 to measure A  
 • Rotate #2 90° to measure B  
 • Rotate rotary #1 until the part is horizontal



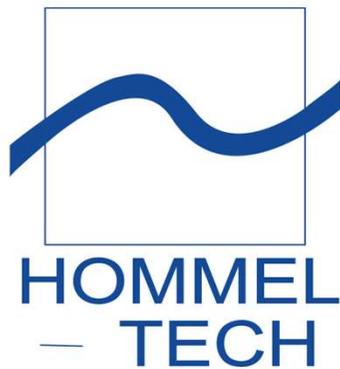
Rainbow Probe™

High Resolution, Non-Contact Optical Sensor for Surface Measurements



# FAMÍLIA SMARTSCOPE

## Um modelo para cada necessidade!



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