

## OUR 2D/3D CONTROL SYSTEMS AND NON-DESTRUCTIVE TESTING SYSTEMS ROBOTIC & AUTOMATIC

Automatic control, robotization, IA, adaptive processes, cloud, remote control, TPSH's 4.0 products at the heart of the industrial stakes related to the health crisis.

TPSH invites you to discover its range of products 4.0.

2D AND 3D AUTOMATIC CONTROL SYSTEMS, NON-DESTRUCTIVE AUTOMATIC CONTROL SYSTEMS, ADAPTIVE PROCESSING MACHINES (grinding, polishing, deburring, welding, etc...), HIGH SPEED ROBOTIZED MEASUREMENT, ASSOCIATED WITH AI FOR AUTOMATIC REAL TIME DECISION MAKING.

Portable 3D measurement system designed by TPSH:

- ➔ Locate, detect, dimension, automatically sanction; rivets and all fuselage defects aircraft with the **3DMcGUN**.

Machine vision system associated with image processing ranges, developed, coded by our teams (neural networks, deep learning):

- ➔ Control and measure your parts with our **heads intelligent 2D/3D very high speed measurement** with robots or cobots.

Vision technologies at the service of automatic transportable inspection developed by TPSH:

- ➔ Get an **automatic inspection workbench** for quality inspection, easily transportable and versatile.

Robotic cells made up of our technologies, designed and realized by our teams:

- ➔ Secure your environment with our **robotic cells control**.

ATEX adaptive process cells, designed and manufactured by our teams:

- ➔ Bring the **robotic technology automatic adaptative polishing** in your factories.

SWIR - SWAP - SMART cameras, designed by TPSH | TCAM128-65®:

- ➔ Follow your molten pool (welding, Manufacturing additive) in real time with our **infrared SWIR camera**.

Our software - Human - Machine - Interface, developed by TPSH:

- ➔ All our applications are supplied with our **HMI's to supervise the cycles and the processes in automatic and real time**.



3 D M c G U N



ROBOTIC INSPECTION



COBOTIC INSPECTION



3D HYBRID MEASUREMENT



3D CONFOCAL MEASUREMENT



CELL NDT



ROBOTIC POLISHING



CAMERAS SWIR TCAM 128-65®



HMI SUPERVISION

If you would like more technical information about our products, please contact us: by mail at: [info@tpsh.fr](mailto:info@tpsh.fr) or by phone at: +33 (0)1 69 11 91 91

AERONAUTICS | AUTOMOTIVE | MEDICAL | FOOD INDUSTRY | NUCLEAR | RAILROADS



INNOVATIVES TECHNOLOGIES ■ ■ ■

**TPSH : INNOVATIVE PRODUCT DESIGNER.**

**AUTOMATIC ADAPTIVE PROCESSES NDT**

100% developed by our teams for visual inspection on your production lines.



**3D Mc GUN**



**ROBOTIC INSPECTION**



**COBOTIC INSPECTION**



**3D HYBRID MEASUREMENT**



**3D CONFOCAL MEASUREMENT**



**CELL NDT**



**ROBOTIC POLISHING**



**SWIR CAMERAS | TCAM128-65<sup>®</sup>**



**HMI SUPERVISION**

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