

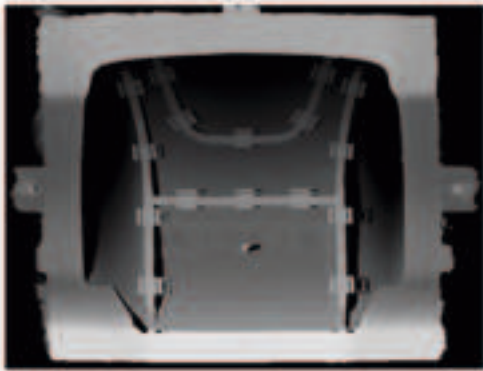


# GIPS *vision*

Your partner for non destructive testing

## DAKOTA

3D machine vision-based  
component inspection



On-the-fly mold inspection before injection

Simultaneous inspection of bowl and lid

Up to 999 check points per mold

100% systematic inspection

999 different mold references

24/7 operational at production rate

(~1000 parts/h) and line speed (14m/min)

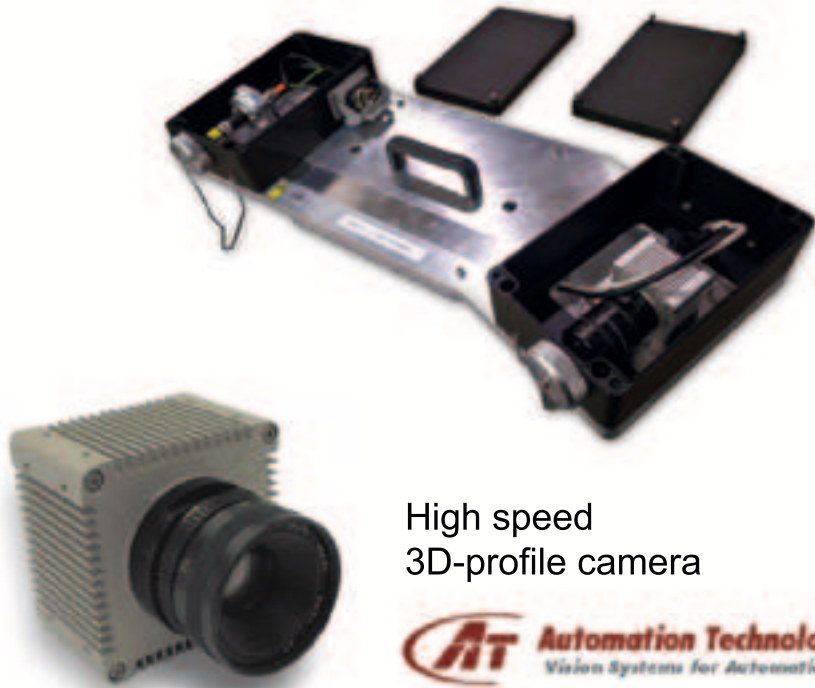
20 years experience serving the industry



[www.gipsvision.fr](http://www.gipsvision.fr)

## Two modules 3D Camera+laser

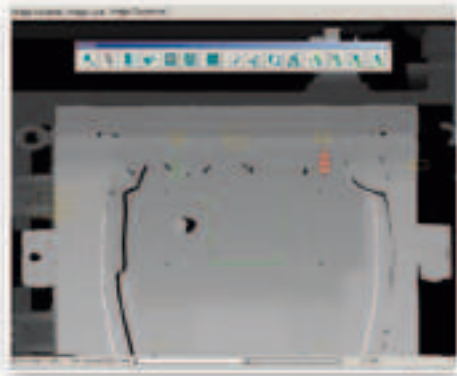
High performance cameras, 2000pixels, 1000 profiles/s  
+ Class III laser, on non-deformable base plate



High speed  
3D-profile camera



## Dedicated software



Multi-thread  
Pc-based application

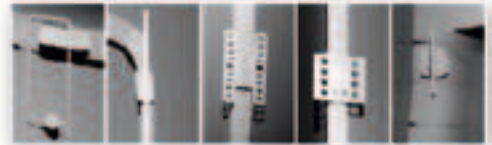
Fully trainable  
check points through  
user-friend intuitive GUI

## Immediate and/or deferred display



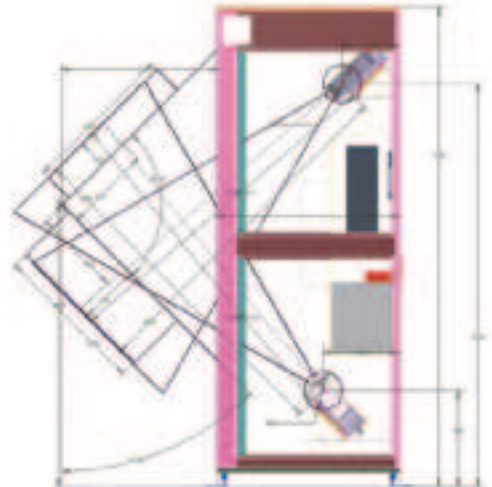
Dakota system communicates with line supervision through Profibus  
Recording statistics per shift  
Logbook.

## 3D machine vision-based component inspection



Cabinet enclosure

Support for bowl & lid camera modules  
Laser protections, PC and user panel



## Production statistics

Time	Qty	Stat	Unit	Stat	Unit	Stat	Unit
07:27:00	1	OK	1	OK	1	OK	1
07:27:10	1	OK	1	OK	1	OK	1
07:27:20	1	OK	1	OK	1	OK	1
07:27:30	1	OK	1	OK	1	OK	1
07:27:40	1	OK	1	OK	1	OK	1
07:27:50	1	OK	1	OK	1	OK	1
07:28:00	1	OK	1	OK	1	OK	1
07:28:10	1	OK	1	OK	1	OK	1
07:28:20	1	OK	1	OK	1	OK	1
07:28:30	1	OK	1	OK	1	OK	1
07:28:40	1	OK	1	OK	1	OK	1
07:28:50	1	OK	1	OK	1	OK	1
07:29:00	1	OK	1	OK	1	OK	1
07:29:10	1	OK	1	OK	1	OK	1
07:29:20	1	OK	1	OK	1	OK	1
07:29:30	1	OK	1	OK	1	OK	1
07:29:40	1	OK	1	OK	1	OK	1
07:29:50	1	OK	1	OK	1	OK	1
07:30:00	1	OK	1	OK	1	OK	1

## Performance

Field width: 800mm  
Depth-of-field: 250mm  
X&Y resolution: 500µm  
Products length: 1700mm  
Installed on line edge  
on racetrack or turn table  
Line speed : up to 14m/min  
Rate: 1 to 6 mold per carrier  
Database up to 999 references

