

SMART INFINITY

[SNAPCURE] [SNAPVISION] [SNAPFLIP]

MULTI FUNCTION PLATFORM

COMPLIANCES

- ISO7 (Class 10000)
- ESD Level 1
- CE Certification
- SEMEMA Compliant
- IPC-CFX



TOP/BOTTOM MULTI FUNCTION PLATFORM

PROCESS CONTROL

Unique concept for optimized floor space and labor with no compromise to productivity.



UNIQUE CONCEPT

CONFIGURATION FLEXIBILITY

- [SNAPVISION][SNAPCURE] inside.
- Multi-language 32" tactile HMI.
- No air supply required.
- Multi process sensors closed loop process.
- High resolution multi type inspection.
- 1D/2D barcode reading.
- Multi wavelength curing.

PRODUCTIVITY

- Inspection time less than 4 seconds/side.
- Curing time aprox. 5 seconds/side.
- Flip less than 2 seconds.

TRACEABILITY (SMARTBOX OPTION)

OPTIMIZATION

- Floor space & Energy efficient.
- Eco-friendly.

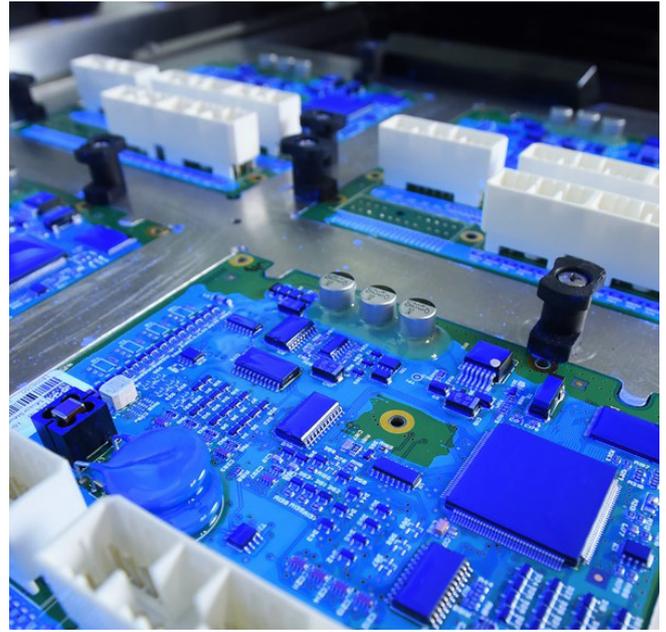
STANDARD OPTIONS



FEATURES

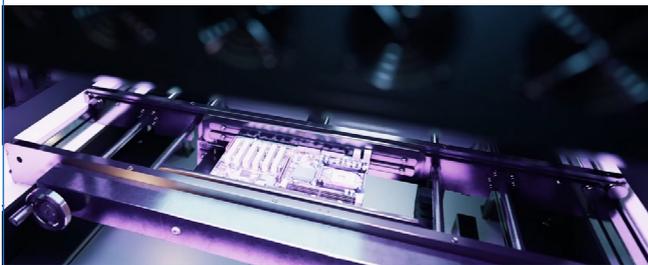
Single or dual lane capability up to 510 x 460 mm.

- Automatic width adjustment.
- InLet / OutLet shutters.
- Conveyor direction L to R (R to L optional).
- Wavelength controller and closed-loop radiation.
 - Ionizer
 - Real time process monitoring
 - Multi-language user interface & documentation



CONFIGURATION POSSIBILITIES

- Single Side Snap Vision Only
- Single Side Snap Cure
- Single Side Snap Vision & Snap Cure
- Dual Side Snap Vision
- Dual Side Snap Cure
- Dual Side Snap Vision & Snap Cure



SMARTBOX OPTIONS

- Process related sensors:
 - ESD impurity sensor
 - Humidity and temperature
 - UV wavelength and dose
 - More on demand
- Dispensed geometrical element trend analysis with up-stream communication.
- Local process supervision display.
- Industry 4.0 - SECS/Gem, UAC, Hermes, Opcon, IPC-CFX, Process Tracker & more on demand.



TEMPERATURE



HUMIDITY



UV WAVE



INDUSTRY 4.0



PROCESS TRACKER

SPECIFICATIONS SINGLE AND DUAL LANE BELT

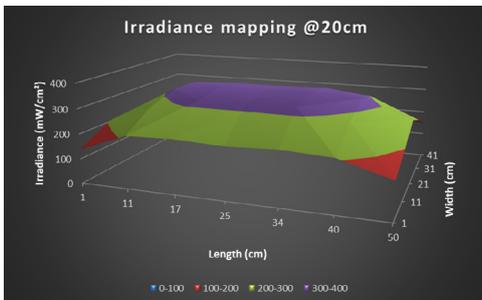
Dimensions	1200x1850x1650 mm.
Voltage	AC 110/220V, 50/60Hz.
Weight	Approx: 850 kg.
Conveyor type	Edge transportation with flat belt or pin chain.
Max conveyor weight	10 kg (22lbs).
Dual mode max width	250 mm.
Single mode max width	460 mm.

[SNAPCURE]

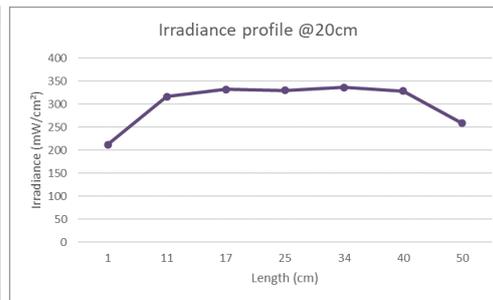
[WORLD'S BEST EFFICIENCY]

UV/IR LED MATRIX PANEL

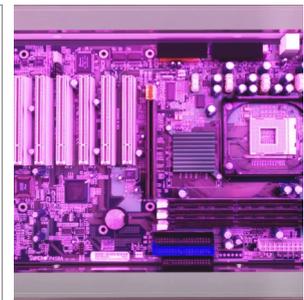
- Up to two lamps:
 - Lamps size: 250 x 400 mm or 500 x 400 mm
- Single wavelength IR LED 810 nm.
- Single wavelength UV LED 275 nm, 365 nm or 395 nm.
- Multi wavelength UV LED lamp 275 nm, 365 nm and 395 nm.
- Radiation set up:
 - up to 800 mW/cm² (contact us for more info)
 - accumulated radiation ∞ mJ/cm²
 - e.g. 500 mW/cm² x 5seg = 2500mJ/cm²
- Guaranteed life time 20.000 hours.
- Optional chamber (Vacuum / N₂).
- Material self programming library.



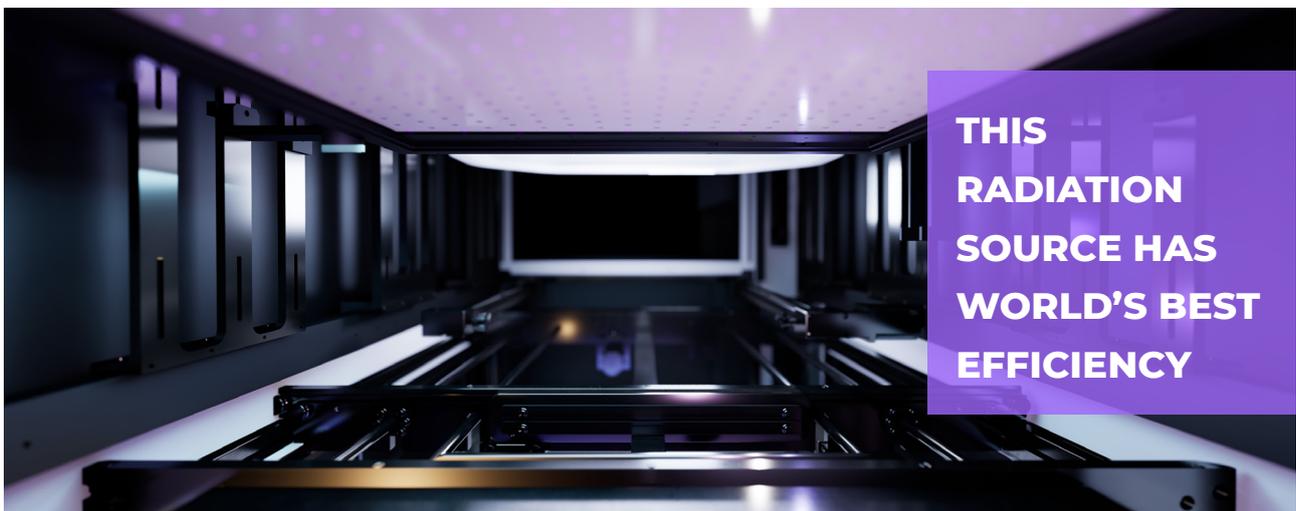
Irradiance mapping



Irradiance profile



Guaranteed life time 20.000 h



[SNAPVISION]

[WORLD'S BEST PRODUCTIVITY]

INSPECTION FIXED CAMERA BASED

// APPLICATION

Underfill, potting, glue, corner bonding, thermal paste, gap filler, coating, nano coating, screw, top THT, optical bonding, latex, wax, foreign particules, datamatrix, labels, QR and more.

// FEATURES

- Resolution down to 40 um.
- Standard pallet and PCB size FOV up to 500 x 400 mm.
- Intuitive programming UI.
- Max. inspection time less than 4 sec. per lane.
- Ultra thin coating compatible.
- Light source: multi-LED illumination.
- No periodical calibration of camera needs.

OPTIONS

- User friendly repair station.
- Offline programming.
- Thickness trend measurement IPC compliant.



Inspection Unit

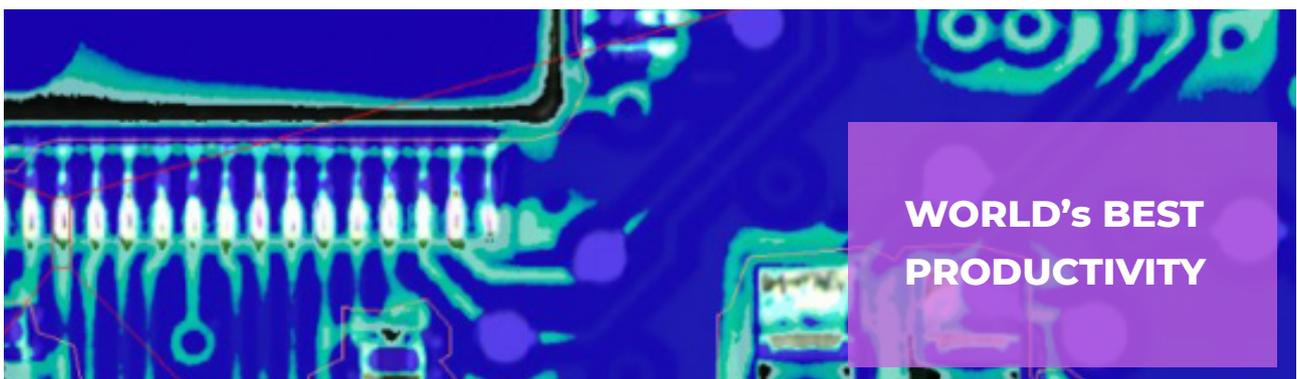
168 Mpx
Color camera
Light source: multi-color LED illumination
Adjustable illumination profiles
Triggered light control
Rectified image

System-PC

Industrial PC processor i7 or i9. Windows 10, 64 bits.

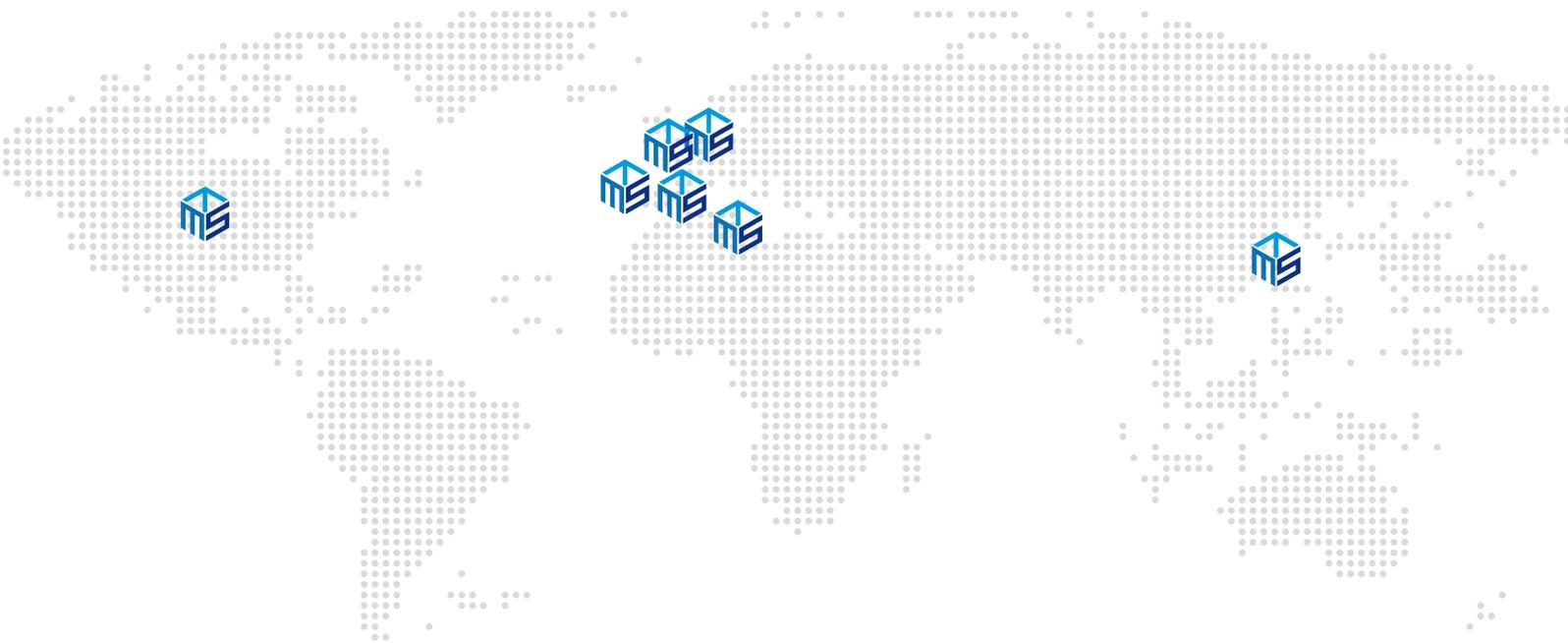
Inspection Speed

2 to 4 (by side) seconds full area independent of the number of inspection parts



**WORLD'S BEST
PRODUCTIVITY**

GLOBAL NETWORK



 PART OF INCORPORATECHNO

WWW.MSTECHCORP.EU

FACTORYCENTER
SEOUL - BARCELONA

BUSINESSCENTER
KOREA - MEXICO - GERMANY
FRANCE - SPAIN - PORTUGAL - TUNISIA

TESTCENTER
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