SEMINFINITY
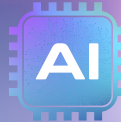## [SNAPVISION][SNAPCURE]

MULTI FUNCTION PLATFORM
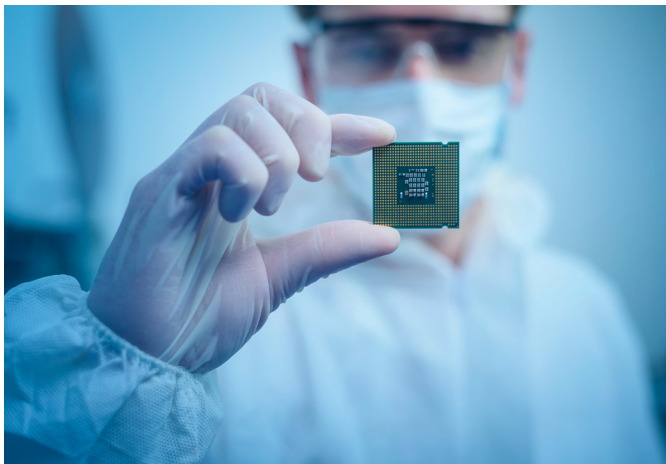
COMPLIANCES

→ ISO6 (Class 1000)
→ ESD Level 1
→ Full CE / UL Certification
→ Semi S2/S8 Compliant
→ SECS/GEM ready
→ EMC

MADE IN EU · PROCESS TRACKER · 4.0 INDUSTRY · ECO FRIENDLY · AI

HIGH UPH MULTI-FUNCTION PLATFORM

A unique concept for high-volume production with optimized process stations (up to 4 in Dual Lane) and dual process integration.

UNIQUE CONCEPT

CONFIGURATION FLEXIBILITY

→ [SNAPVISION][SNAPCURE] inside.
→ Multi-language 32'' tactile HMI.
→ No air supply required.
→ Multi process sensors closed loop process.
→ Fine pitch Datamatrix reading.
→ ISO6 (Class 1000) / ESD Level 1 / Full CE / UL Certification / Semi S2/S8 Compliant SECS GEM ready / EMC / F47NPA79.

PRODUCTIVITY

→ Less than 2 seconds inspection time.
→ Curing time under 5 seconds per tray.
→ Dual lane.

TRACEABILITY [SMARTBOX]

OPTIMIZATION

→ Floor space and Energy efficient.

STANDARD OPTIONS

[SNAPVISION]

[SNAPCURE]

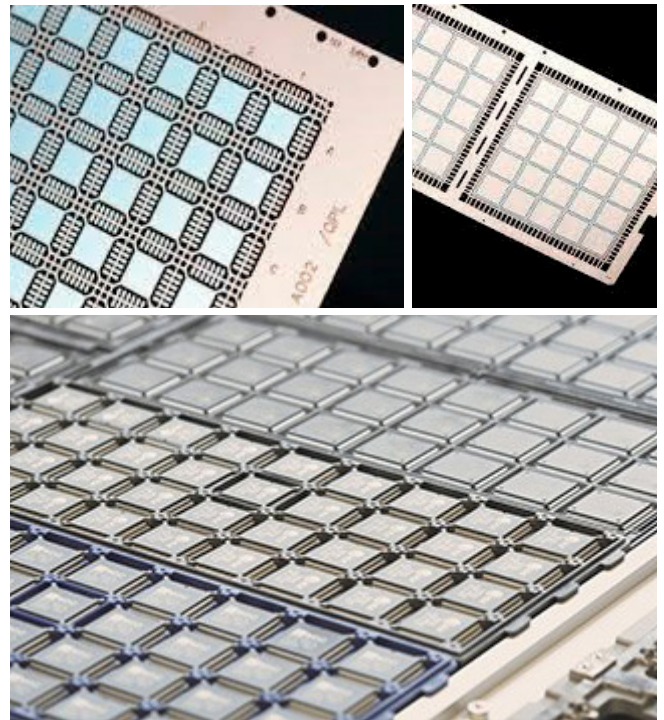## FEATURES

Single or dual lane capability up to 460 mm.

- Automatic width adjustment.
- Inlet / Outlet shutters.
- Conveyor direction L to R (R to L optional).
- Wave lenght controller and closed-loop. radiation

  - Ionizer
  - Real time process monitoring
  - Multi-language user interface & documentation

OPTIONS

- Process related sensors.
- ESD impurity sensor
  - Humidity and temperature
  - UV wavelenght and dose
  - More on demand
- Dispensed geometry 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.

SPECIFICATIONS SINGLE AND DUAL LANE BELT

Dimensions	1200x1850x1650 mm
Voltage	AC 110/220V, 50/60Hz
Weight	Approx: 850kg
Conveyor type	Belt
Max conveyor weight	10 kg (22lbs)
Dual mode max width	250 mm
Single mode max width	460 mm

[**SNAP**VISION]

[WORLD's BEST PRODUCTIVITY]

INSPECTION FIXED CAMERA BASED

- Resolution up to 20um.
- Standard size JEDEC TRAY.
- Max cycle time less than 2 sec. by lane.
- Light source: multi-LED illumination.
- No periodical calibration of camera needs.

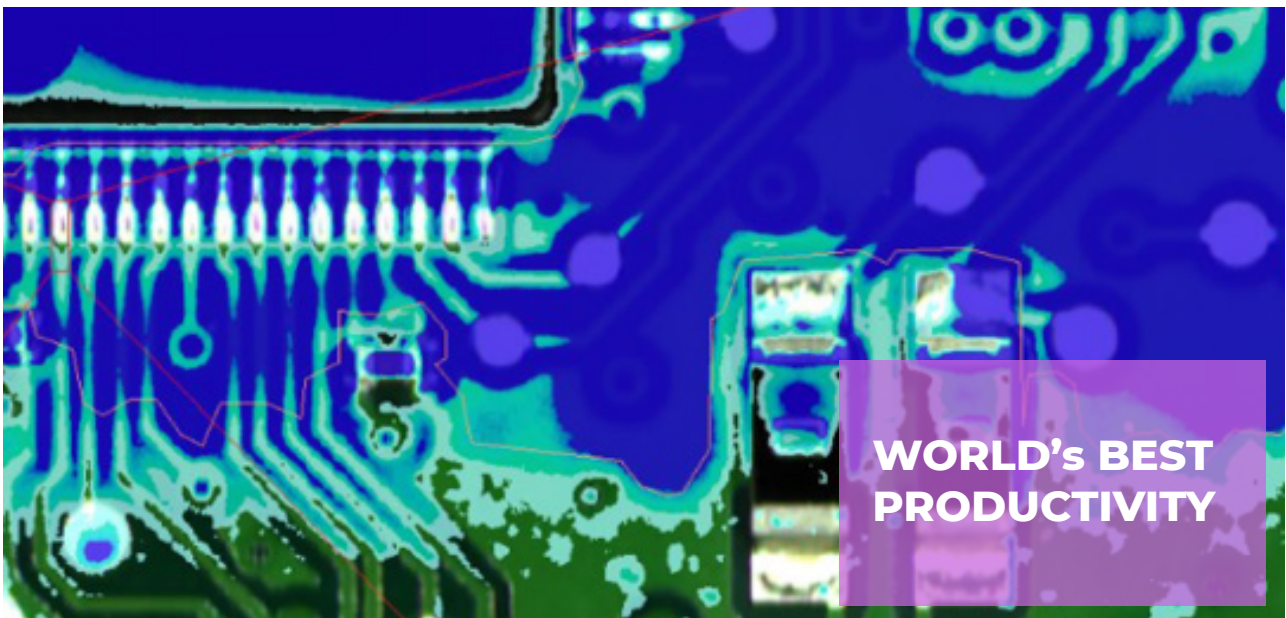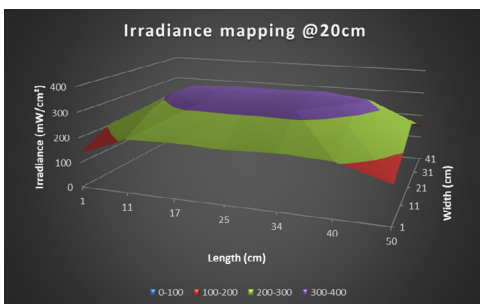|	
Inspection Unit	Up to 84 mega pixels (25 um)
	Color camera
	Light source: multi-color LED llumination
	Solder meniscus control with blue-red-white LED cluster based on different illumination angle
	Adjustable illumination profiles
	Triggered light control
	Rectified image
System-PC	Industrial PC with Intel Core i7. Windows 10 64 bits. Monitor 24" Full-HD
Inspection Speed	1 to 3 secs. full area (double-sided) independent of the number of inspection parts

WORLD's BEST PRODUCTIVITY
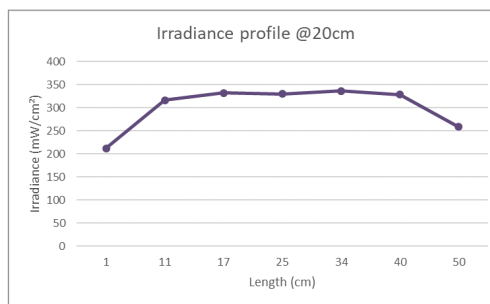
[SNAPCURE]

[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
  → accumulated radiation ∞mJ/cm2
  → (e.g. 500mW/cm2 x 5 sec=2500mJ/cm2)

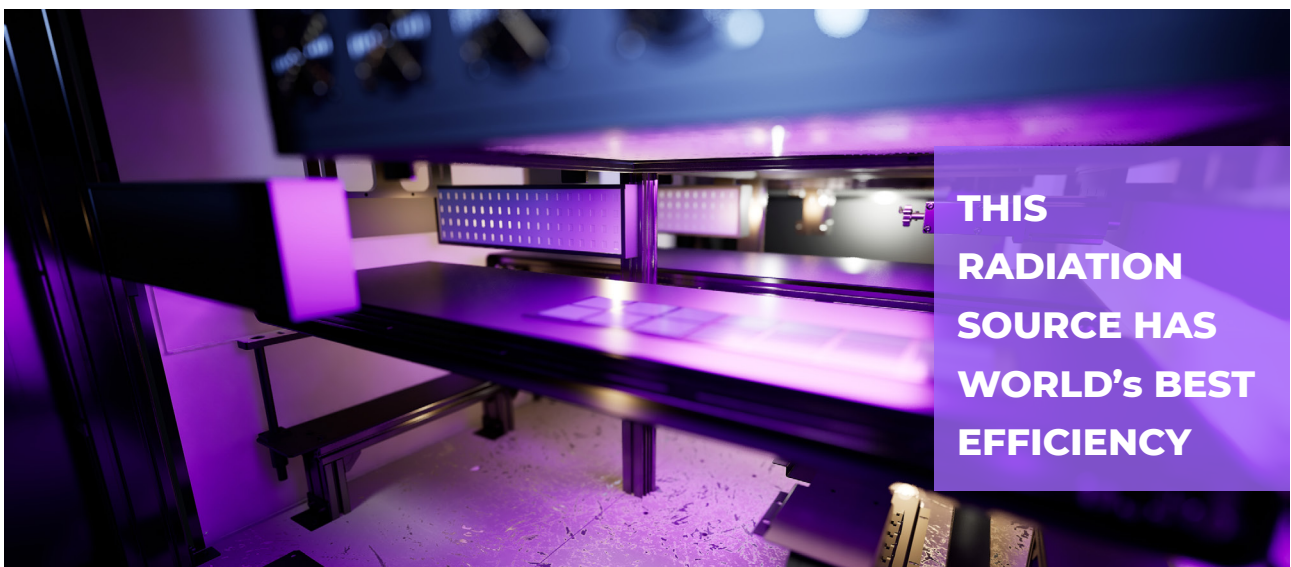- Guaranteed life time 20.000 hours

- Optional chamber (Vacuum / N2)

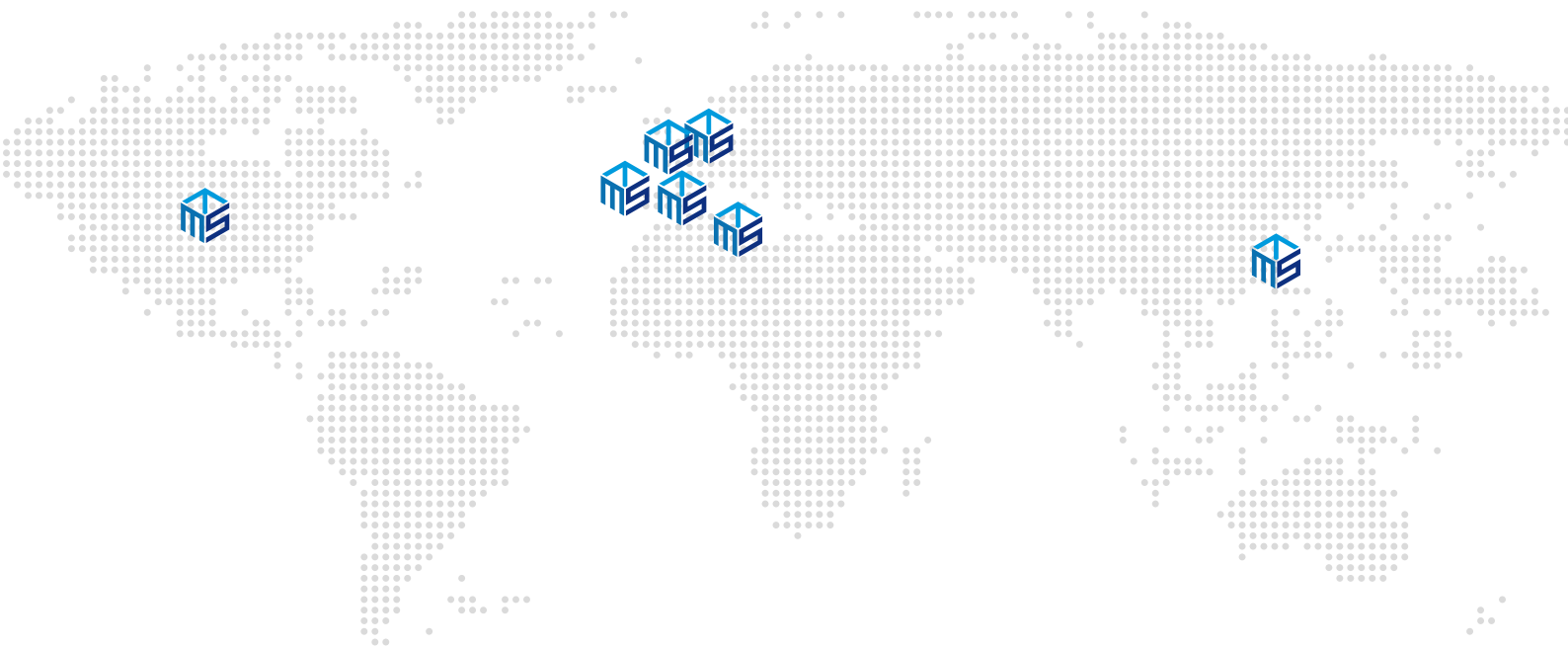

Irradiance mapping

Irradiance profile

Guaranteed life time 20.000h

THIS RADIATION SOURCE HAS WORLD's BEST EFFICIENCY

GLOBAL NETWORK

MSTECH EUROPE

PART OF INCORPORATECHNO

WWW.MSTECHCORP.EU

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

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