

iX

APPLICATION FLEXIBILITY ON A VERSATILE PLATFORM



**Lowest cost of ownership, Highest first pass yield,
Ultimate applications flexibility**

Main benefits:

- **Scalable throughput**
 - Passive placement speed up to **121,000 CPH** (IPC9850)
- **Accuracy**
 - **20 micron** for QFP / BGA
 - **25 micron** for Passives
- **Cost of Ownership**
 - **Minimal** maintenance **cost**
 - **Lowest** energy **consumption**
- **Scalable Technology**
 - **100 %** Active placement force control
 - Defect rates lower than **1 DPM**
 - Tape-, stick feeding
 - Full traceability (SECS/GEM, CAMX)
- **Industry 4.0 ready**
 - IPC-Hermes-9852
 - IPC-CFX
 - SECS/GEM
 - CAMX

SPECIFICATIONS

	iX 302	iX 502
Maximum output per hour	99k cph	165k cph
Maximum output IPC9850/IPC9850A (passives + actives)	79k cph	121k cph
Placement accuracy @ Cpk>1	25 µm for Passives 20 µm for Flip Chips / Dies	25 µm for Passives 20 µm for Flip Chips / Dies
Min. component size	0.25 x 0.125 mm (008004, 0201M)	0.25 x 0.125 mm (008004, 0201M)
Max. component size	45 x 45 mm (1.77 x 1.77")	45 x 45 mm (1.77 x 1.77")
Max. component height	10.5 mm (taller on request)	10.5 mm (taller on request)
Programmable placement force (in steps of 0.1 N)	0.5 - 8 N	0.5 - 8 N
Min. board size:	50 x 50 mm (2 x 2") (50 x 25 mm (2 x 1") on request)	50 x 50 mm (2 x 2") (50 x 25 mm (2 x 1") on request)
Max. board size:		
- Standard	475 x 390 mm (18.7 x 15.35")	515 x 390 mm (20.28 x 15.35")
- Optional board width	457 mm (18")	457 mm (18")
- Optional board length	800 mm (31.5")	800 mm (31.5") (1500 mm on request)
Transport directions	Left to Right Right to Left	Left to Right Right to Left
Board thickness	0.3 to 6 mm (10 mm on request)	0.3 to 6 mm (10 mm on request)
Max. tape feeding lanes (8 mm) - SF feeders	126	210
Feeding options	Tape, stick	Tape, stick
OPEN MES data interfaces	CAMX & SECS/GEMS, IPC-HERMES, IPC-CFX	CAMX & SECS/GEMS, IPC-HERMES, IPC-CFX
Footprint (L x W) (incl. SF trolleys)	2,760 x 2,187 mm	3,720 x 2,187 mm

Please contact your sales representative for a quotation.
Actual amount of reachable feeder slots may vary based on machine configurations.

For more information, contact your local authorized K&S sales representative or visit www.kns.com

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