



# SIPLACE TX

Speed and Quality without Limits

# SIPLACE TX: Top quality for high-volume production



## Speed and Quality without Limits

### Fastest placement with maximum quality

Having best-in-class equipment is important for the Smart #1 SMT Factory. That's why electronics manufacturers are looking at the placement machines of the future, such as the SIPLACE TX modules. With its new TX modules, technology leader SIPLACE has managed to perfect the collaboration of feeding and head technologies, vision systems, linear drives and machine controls in a very small footprint.

With a maximum speed of 78,000 cph, the innovative and scalable SIPLACE TX modules set a new record in placement performance.

### Unlimited floorspace performance

The SIPLACE TX modules achieve these new records in placement performance in a sensationally small footprint.

SIPLACE TX, the new world champion in floorspace performance, is only 1 m (39.4 inches) long. 78,000 cph in 2.3 square meters (24.75 square feet) with a feeder capacity of up to 80 x 8 mm tape feeders – a true powerhouse.

And since the SIPLACE TX is only 1.45 m (57 inches) tall, operators can have a much better line overview.



SIPLACE SpeedStar: places super-small 0201 (metric) components at high speed and with extreme accuracy



### **Limitless scalability**

The compact SIPLACE TX modules make it very easy to scale your lines up or down. Optimizing each line is less of an undertaking, because getting the perfect balance between requirements and the number of machines is easier than ever.

No matter with how many modules you start your line – you can increase its performance in steps of just 1 meter (3.3 feet) or 78,000 cph by adding more SIPLACE TX modules.

### **Maximum accuracy – guaranteed**

Extremely fast and accurate: With up to 22  $\mu\text{m}$  at 3 sigma, the new SIPLACE TX modules operate with top accuracy.

Technological breakthrough: The SIPLACE TX is capable of placing super-fine-pitch 0201 (metric) components at highest speed.

This unique combination of accuracy and record-breaking speed makes the SIPLACE TX the clear winner in the race for high-volume 0201 placements.


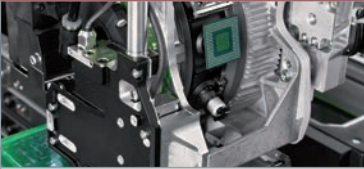

But that's not all. No matter how many components you place, our improved control and head technologies protect the machine's performance and accuracy for years to come.

Extremely powerful and designed for the high-volume placement of future component generations, the SIPLACE TX modules deliver the level of investment protection electronics manufacturer want and need for their Smart #1 SMT Factory.

# SIPLACE TX



Technical Data*	SIPLACE TX	SIPLACE TXi
Machine dimensions (L x W x H)	1.00 m x 2.35 m x 1.45 m	1.00 m x 2.23 m x 1.45 m
Placement heads	SIPLACE SpeedStar (CP20P), SIPLACE MultiStar (CPP), SIPLACE TwinStar	
Placement speed (benchmark rating)	Up to 78,000 cph	
Placement accuracy	Up to 22 µm at 3 sigma	
Component spectrum	0201 (metric) to 55 mm x 45 mm or 75 mm x 10 mm	
PCB dimensions (L x W)	45 mm x 45 mm to 375 mm x 260 mm (dual conveyor) 45 mm x 45 mm to 375 mm x 460 mm (dual conveyor in single lane mode)	
Feeder slots	up to 80 x 8 mm	
Typical power consumption	1,9 kW (2 x SIPLACE SpeedStar)	
Air consumption	120 NI/min (2 x SIPLACE SpeedStar)	

Placement heads	SIPLACE SpeedStar (CP20P)	SIPLACE MultiStar	SIPLACE TwinStar
			
Component spectrum	0201 (metric) to 6 mm x 6 mm	01005 to 50 mm x 40 mm	0201 to 55 mm x 45 mm or 75 mm x 10 mm
Component height	4 mm	11.5 mm	25 mm
Placement accuracy (3 sigma)	25 µm	34 µm	22 µm
Max. Speed	39,000 cph	24,000 cph	5,500 cph

\* Performing professional maintenance in the scope and intervals recommended by ASM ensures that your SIPLACE equipment will deliver the specified performance and accuracy across its entire life cycle. Our various maintenance contracts make this job even easier for you.

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