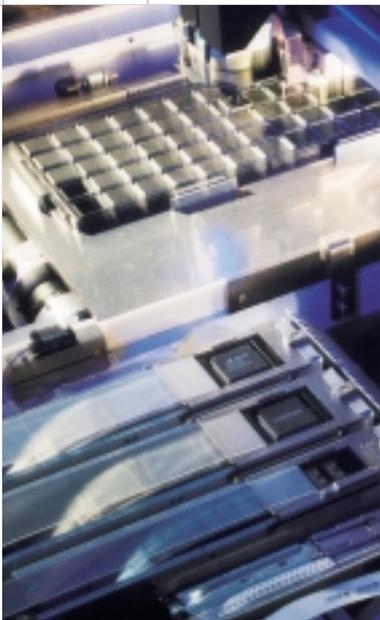


SIPLACE CS and SIPLACE CF

The new Compact Series

for flexible medium-volume manufacturing.



SIPLACE technology for flexible, high-mix manufacturing

The new SIPLACE C Series:
The multifunctional SIPLACE CF
machine and the high-speed
SIPLACE CS machine.



The SIPLACE CS and CF configuration:

Component Range:	0201 to 55 x 55 mm
Placement Performance:	29,000 cph
Accuracy:	Max. 38 µm at 3 sigma
Feeders capacity:	e.g. 236 tapes (8 mm)

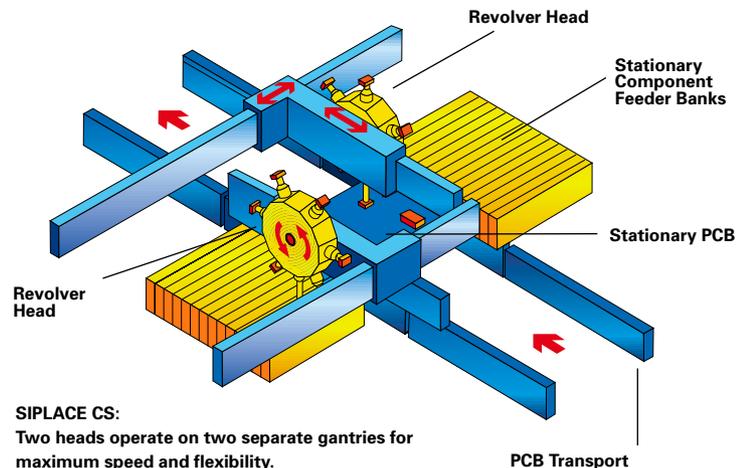
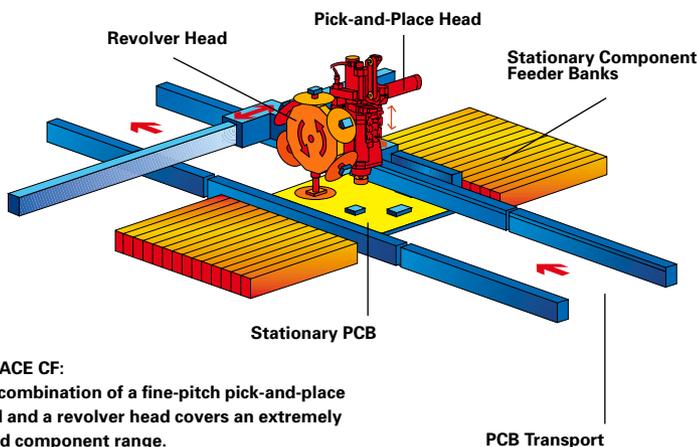
We are continually innovating and adding to our SIPLACE modular platform to offer you the industry's most advanced placement technology. Both of the C-Series machines are an extension of the successful SIPLACE machine concept. They were developed for variable batch sizes and production environments with high demands on flexibility and quick changeover.

SIPLACE CF

The SIPLACE CF, features a fine-pitch Pick-and-Place head and a revolver head combination that provides you with both high accuracy and high speed. The SIPLACE CF offers an extensive component range from 0201 to 55 x 55 mm as well as chip scale, BGA and OSC. Also, a range of customer-specific nozzles and grippers allows processing of odd-form components.

SIPLACE CS

The SIPLACE CS is the ideal solution for flexible high-speed placement. Two compact revolver heads work in parallel on two different gantries to achieve placement speeds of up to 20,000 cph. Both of these C-Series machines offer a 118-feeder-track capacity and a compact, space-saving footprint.



Total Investment Protection Guaranteed

With the SIPLACE modular platform concept, every one of our machines is compatible with every other. They all use the same feeders and the same spare parts, minimizing your inventory costs.

All our machines are also backward and forward compatible. If you purchased feeders eight years ago, you can still use them on new machines you buy today. Plus, older machines can be upgraded with nearly every advance available on our latest machines.

With the SIPLACE modular platform your investment protection is guaranteed for years to come.

To answer the market demand of small batch size manufacturing, the new C-Series machines were designed with all of the same advantages of the SIPLACE modular platform.

The new SIPLACE CS and SIPLACE CF were developed especially for use in flexible, high-mix manufacturing environments involving variable lot sizes and quick product changeovers.



Global, regional and local support.

The SIPLACE service and support network has a comprehensive global structure, with outstanding local and regional experts sharing their knowledge and experience worldwide.

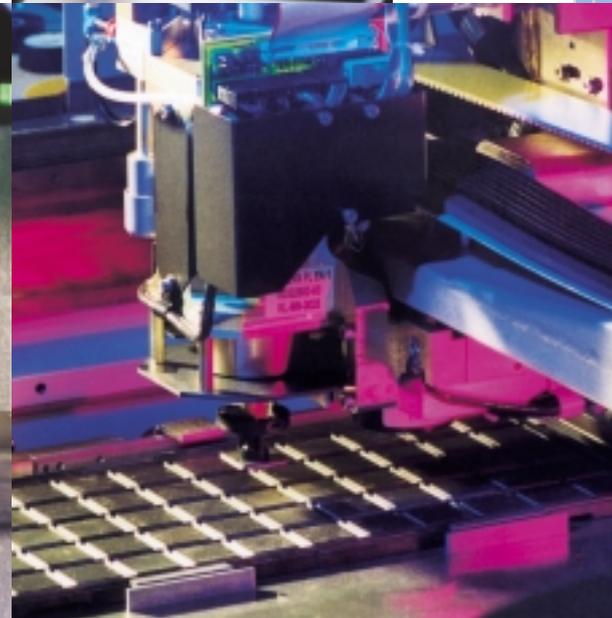
All SIPLACE service and support modules are based on global standards that are locally implemented and individually tailored to meet customer needs.



SIPLACE Technology Leadership

The SIPLACE modular manufacturing concept has set the industry standard for leadership in technology. And as a technology leader, we are continually innovating and adding to our SIPLACE modular platform to offer you the cutting-edge performance you need to stay competitive. Now, in response to market demands, the same SIPLACE technology we've provided for years to high-volume OEMs and contract manufacturers around the world is available in our C-Series platform, but in a lower-priced package to fit the needs of high-mix-medium volume manufacturers.

Many electronics manufacturers involved in high-mix production wanted the advantages of the SIPLACE platform to solve their unique batch-size challenges. The C-Series, like the other machines of the SIPLACE platform, provides a complete manufacturing solution – scalable, flexible and configurable to meet any requirement. Additionally, all SIPLACE C-Series customers have access to the broad range of SIPLACE support and service available from our comprehensive SIPLACE global network.



The SIPLACE Platform – A comprehensive solution rather than a basic system.

Working with varying batch sizes requires extremely flexible equipment. Product and setup changes must be quick and simple.

The SIPLACE C-Series is the solution for high-mix manufacturing environments that demand high flexibility and quick changeovers.

The SIPLACE C-Series was designed with the same flexibility and compatibility as the entire SIPLACE platform of equipment. You will be able to meet new manufacturing challenges simply by upgrading your existing equipment rather than continuously having to purchase additional equipment. With the SIPLACE C-Series you profit from the technology leadership of the SIPLACE modular platform concept – a concept that is a comprehensive solution rather than a basic system.

This will ensure your ability to process new technologies on your SIPLACE equipment.

All SIPLACE machines allow changeovers in record time and handle an extremely wide range of components. Exchangeable, compatible feeders, nozzles and add-on modules protect your investment across many machine generations. With this kind of modular flexibility, you benefit from higher machine utilization and operating efficiency as well as maximized profitability.



Technical Data for the SIPLACE CS and CF:

	SIPLACE CS	SIPLACE CF
Placement heads	2 Collect-and-Place heads Compact Revolver head (6 segments)	1 Collect-and-Place head Compact Revolver head (6 segments) 1 Pick-and-Place head Fine-pitch IC head
Number of gantries	2	1
Benchmark placement speed	20,000 cph	9,000 cph (Collect-and-Place head) 1,800 cph (Pick-and-Place head)
Component range	0201 to 18.7 x 18.7 mm	0201 to 55 x 55 mm
Placement accuracy (3 sigma)	68 µm	68 µm (Collect-and-Place head) 38 µm (Pick-and-Place head)
Board dimensions	50 x 50 mm to 508 x 460 mm	50 x 50 mm to 508 x 460 mm
Feeder capacity	e.g. 118 8-millimeter feeders	e.g. 118 8-millimeter feeders
Feeder table	Component changeover tables with integrated wheels, tape-cutters and waste containers	Component changeover tables with integrated wheels, tape-reel holders and waste containers; SIPLACE wafflepack changer
Feeders	Tape, bulk case, stick magazines	Tapes, bulk case, stick magazines, trays, wafflepack changer

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