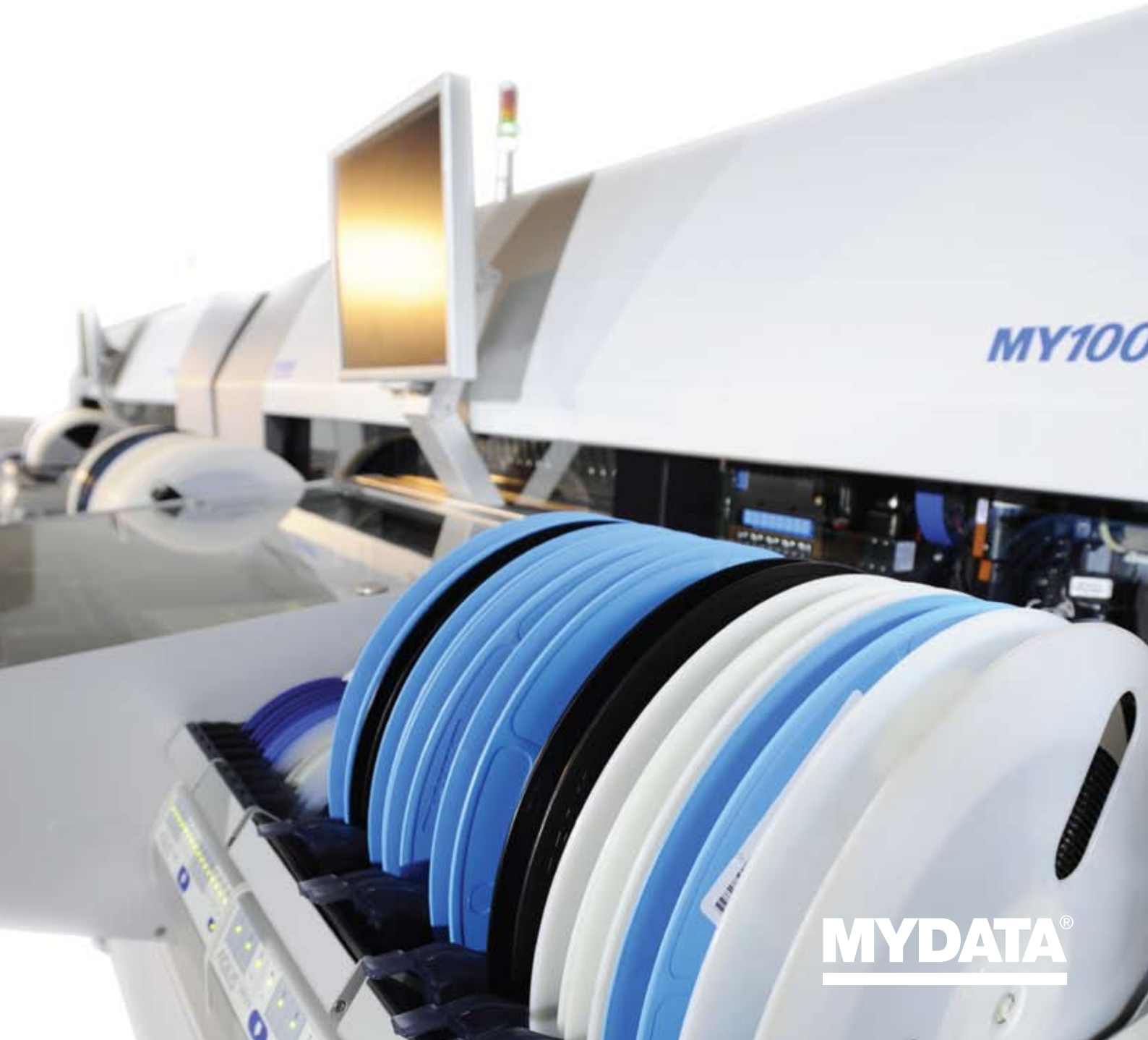
MY100™

Picking better ways to work just got easier.



More choices that lead to more business for you.

- High mix *at* higher speeds?
- Continuous production *and* short batch capability?
- Great accuracy *as well as* flexibility?
- Immediate *and* long-term profitability?

Why choose between the features and benefits if your business needs to grow, when you can have them all?

The MY100-series machines offer a unique combination of speed, accuracy, flexibility, and upgradeability to grow in the future.

Positioning your business for the future is easier than ever.

Time was in the SMT industry when you had to make compromises in selecting a pick and place machine. That time is officially over – for good. The MYDATA MY100DX, MY100SX and MY100LX offer precisely what you need – with higher degrees of versatility and upgradeability than any other machines in the business.

Whether your facility is designed to operate 24/7, whether you specialize in producing prototypes, depend on short production runs with an extremely high mix of components, or are in the process of opening your doors for business – MYDATA has your needs covered. Without compromise.

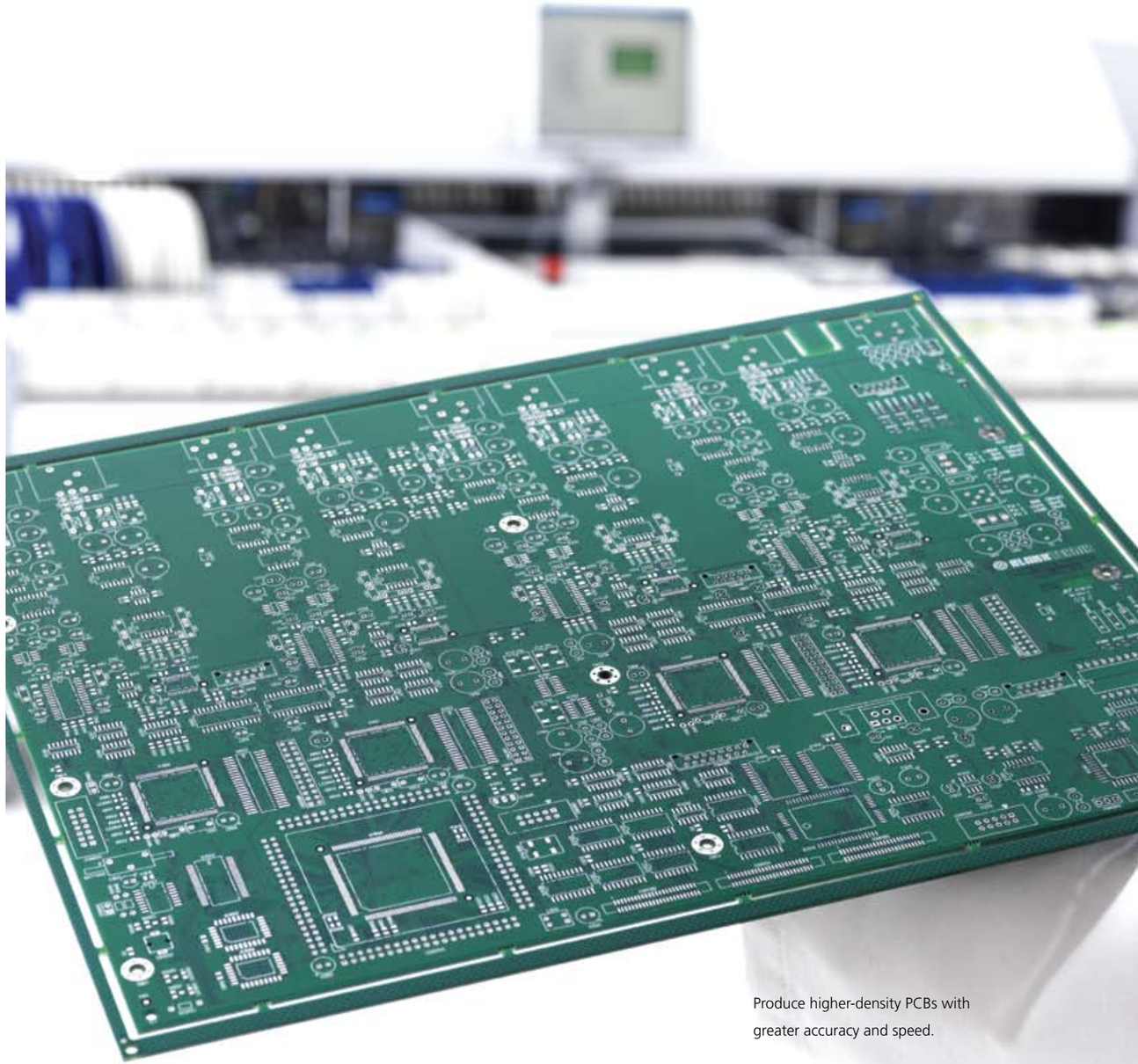
With the MY100DX, you're prepared to deliver high mix as well as higher volumes with one platform. This fast, flexible machine allows you to serve more types of customers and position your business for immediate and future growth.

The MY100SX offers the latest technology to give you accuracy, reliability, fast setups and changeovers. Perhaps even more important for your business, you have a wide range of speed, component and board handling options not available elsewhere.

And the MY100LX offers the high-mix capability and quality MYDATA has long been known for, at a price that's more economical than ever.

With three models of pick and place machines to choose from, putting your business in a great position to grow can be accomplished in better ways than ever.

Position your business for the future with the MY100-series machines.



Produce higher-density PCBs with greater accuracy and speed.

MY100DX.
The all-in-one machine that does more for your business.

With a dual X drive system that combines different mountheads, advanced vision systems and a state-of-the-art linear drive motor technology, the MY100DX is our high-end model with a top speed of up to 34,000 components per hour. With 18 nozzles in total, you will be capable of mounting a vast mix of component types, resulting in excellent throughput.

See optimal component placement – instantly.

To ensure you get the best placement results, the MY100DX is equipped with an on-the-fly Linescan Vision System (LVS) that combines maximum centering speed and highest precision for the vast majority of components, whereas the Dual Vision System (DVS) takes care of flip chips and other specialized components. Additionally, the MY100DX has cameras for feeder fiducial search, and smart supporting functions like the "look before pick" feature.

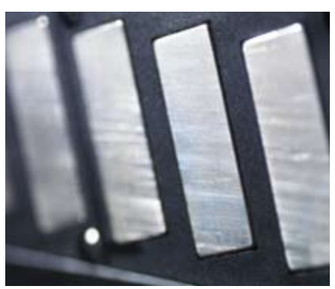
Learn new ways to cut set-up time – automatically.

A new package definition can be created in seconds using the Autoteach function. Just show the unknown package to the vision system, and all geometrical data is measured automatically – saving you a significant amount of time when setting up new jobs.

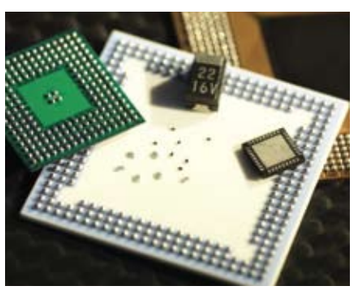
Get the results needed in all conditions – accurately.

MYDATA machines have always had a good reputation for high accuracy levels. The MY100DX is no different. With its rigid machine frame, the mounthead carrier design and Automatic Thermal Adaption technology, excellent accuracy can be maintained, under varying operating conditions, with a vast range of components. You will also be totally prepared for all future package technologies.

Dual mounthead carrier system.



High-precision linear drive.



Accuracy to handle future packages.

No job is too big or too small for the MY100DX.

MY100SX.
The flexibility your business needs to grow tomorrow.

We have designed the MY100SX to provide great flexibility to cope with your customers' demand – and to be positioned for future needs as your business continues to grow. You can select from conveyor widths that accommodate a broad range of board sizes and shapes. With the capacity for up to 176 feeders and wide variety of components that can be placed, the MY100SX is ideally suited for high-mix production. And with a top speed of 21,500 components per hour, the MY100SX makes it possible to easily increase volumes to meet your customers' growing needs as well.

Continuous production capability and accuracy.

Sharing the same cutting edge technology platform as the MY100DX, the MY100SX features a single mounthead carrier that picks components from both sides of the machine. This provides incredible flexibility while maintaining the ability for on-the-go setups and seamless changeovers from one production run to another. The high precision linear drive and distributed servo technology provide the ability to increase throughput, while continuous accuracy calibration maintains the high level of quality that you would expect from a MYDATA machine.

Mounthead options. Take your pick.

The MY100SX offers more freedom of choice to put a machine in place that's perfectly outfitted for your needs. You can configure the MY100SX with the Dual Vision System that includes a high resolution camera and the high precision head that places components ranging from 01005 chips to complex QFPs and Flip chips. Adding the Linescan Vision System will significantly increase the speed for fine pitch as well as chip component placement while maintaining accuracy. Overall speed is increased with the high speed mounthead option.

MY100SX features the same cutting edge technology as MY100DX.

MY100LX.
High mix has never been more economical.

The MY100LX is a great way to put quality to work in your production line today, and grow with quality in mind as your business takes off. Start off right away with a high speed and high precision mounthead totaling 9 nozzles with a top speed of 15,000 components per hour.

In-line flexibility.

A Standard Vision System – a high precision and high speed mounthead – and a T3 conveyor will more than handle a wide range of high-mix requirements. The conveyor is ready for in-line usage but can also be fitted with a manual load adaptor. With up to 176 feeder positions, the MY100LX offers all the flexibility and speed of the Agilis system in an economical machine that never compromises on quality in any way. When your business grows and you require even higher throughput, you can of course upgrade your LX machine to a MY100SX.

Intelligent feeders – the key to fast set-ups and changeovers.

MYDATA's modular feeder system is designed for accuracy, ease of use and convenience. It gains unrivalled flexibility from a combination of intelligent feeders and magazines for tapes, sticks, trays and other carriers.

Our unique Agilis feeders with no moving parts are easier and quicker to load than any other on the market. And by keeping preloaded Agilis feeders on hand, you can perform set-ups and changeovers even faster. Since all MYDATA magazines can be replenished while the machine is running, you never have to stop production if you run out of components.

In addition, all magazines and Agilis feeders have a unique identity that links them to the machine's operating software. This enables the machine to recognize the presence, absence, and location of components – a valuable asset when it comes to keeping track of inventory, since the machine knows exactly how many components are left on each tape reel. In addition, pick positions never have to be reprogrammed. Instead, the system software recognizes the feeder instantly, regardless of machine or position, and re-optimizes the mounting program to maintain highest efficiency.

More feeders. More output. Less space.

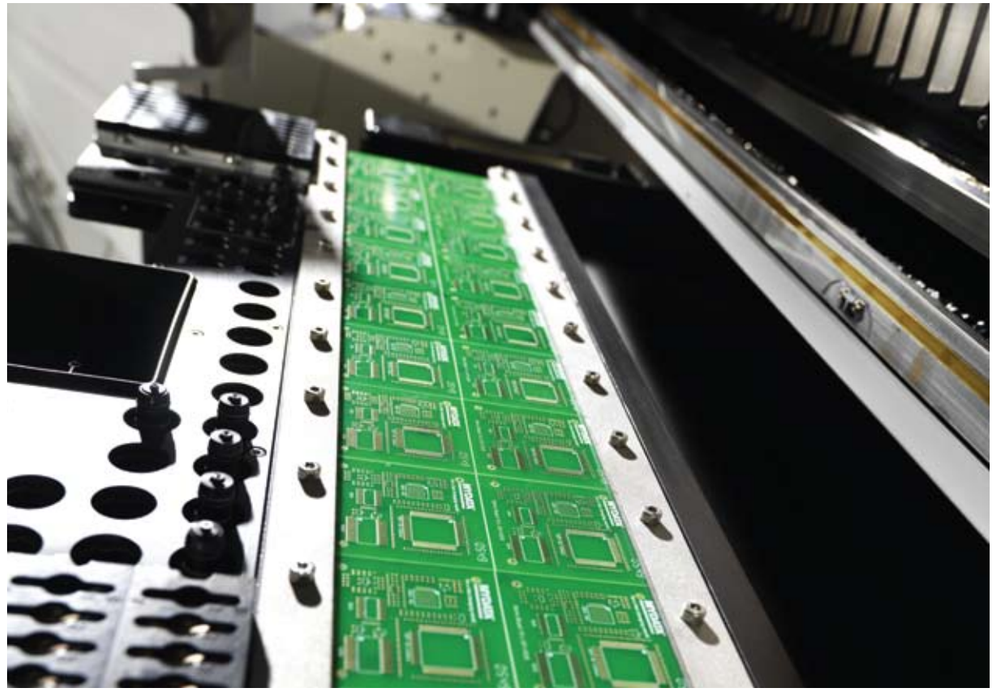
Thanks to a new and compact design, more intelligent feeders can fit into a smaller footprint. The MY100 offers up to 176 feeders, adding 32 feeder positions without increasing the machine footprint. Alternatively, this design allows a larger board size capacity, which not only provides the ability to handle more variations in board design but also leads to significantly increased throughput using the board train function.

The MY100 offers up to 176 feeders in a compact footprint.

Board handling systems to fit practically any customer order.

Handling board widths of varying sizes has never been an easier task. Regardless of whether you specialize in huge backplanes or produce small radio module boards, there are optimized solutions available. MYDATA provides you with the flexibility to select conveyors that handle boards up to 36 x 24 inches in size. That means you can produce a wide range of boards for an even wider array of customers.

Board train functionality can be used with any T-series to significantly increase throughput by allowing loading and unloading of multiple boards simultaneously. Switching to a manual load system can be carried out in seconds using optional manual load adaptors.



Board train option boosts performance.

Software that simplifies your operation and enhances productivity.

More than just a state-of-the-art machine, the MY100DX, MY100SX and MY100LX come with the richest software suite in the industry. The software tools increase utilization, boost efficiency, improves the service level to your customers, and impacts your bottom-line. Whether you're an engineer, operator or manager, our Assembly Process Management software suite is intuitive and easy to use – and puts you firmly in the driver's seat. How? Because it follows the steps you would typically take in the assembly process.

Data Preparation – MYCam™.

Conversion and revisions can be a real hassle. Not anymore. Our software gives you tools to accomplish automatic and error-free conversion of CAD and bill of material data. The end result is ready-to-run mount programs and assembly instructions.

Optimization and Scheduling - MYPlan™.

Last-minute changes and delayed component deliveries can bring production to a halt. So it helps to have software that can ensure maximum equipment utilization by optimizing feeder setup and guide you through the process of creating step-by-step kitting instructions.

Inventory Management – MYLabel™.

MYLabel enables fast feeder loading and inventory tracking. You can load a reel, stick or tray into a magazine in just two barcode scans and all part information is automatically transferred to the machine. Using barcodes to track components reduces the risk of error and speeds up setup and changeover times. MYLabel keeps track of quantity, batch ID, stock location and other data – for each and every component. Connect your ERP system to MYLabel and stay updated on live component usage.

Data preparation and programming made easy.

Machine Intelligence – TPSys™.

Our machine operating software is loaded with smart functions such as automatic job re-optimization, vision autoteach, on-the-fly feeder loading, SQL databases supporting high-mix jobs, setups and changeovers. Eliminate rework situations with the on-the-fly electrical verifier option. TPSys will keep your machines running, no matter what.

Line Automation – FlowLine™.

The FlowLine software automates your production line by linking all necessary production information via barcode IDs and sending out production orders to the machines in real time. This allows for several products to be present in the line simultaneously resulting in an extremely high equipment utilization with a minimum of operator intervention and zero changeover time.

Performance Monitoring – TPSys™ Web Interface.

For continuous improvement of your manufacturing process, our performance monitoring software gives you access to view and track any machine in your factory in real time. This makes it easy for you to find the data you need, and process that data into useful and attractive reports. Best of all, these tools keep you in control throughout the production process.

Traceability – MYTrace™.

MYTrace is our solution for secure, long-term storage of traceability data, that provides easy access to the data for searching and reporting. Information about each component placement is stored in an SQL database. An intuitive search tool makes it possible to identify all PCBs that are affected by, for example, a faulty component batch.

Keep track of your inventory.

Changeover instructions to enhance productivity.

A full range of solutions.

MY100DX-10/14

Featuring up to 160 feeder positions with a top speed of 34,000 components per hour.

MY100SX-10/14

Featuring up to 176 feeder positions in a single machine as well as a top speed of 21,500 components per hour.

MY100LX-10/14

Featuring up to 176 feeder positions with a top speed of 15,000 components per hour.

Whatever your production needs.

Take your pick. How many feeder positions do you need? What speed do you need? The MY100DX, MY100SX and MY100LX offer the optimum production solution for you – whatever your needs.

Each of these machines provide a great all-in-one solution wherever higher volumes of high-mix production are expected. Combine two in a Synergy line and you have even more flexibility, and simply double your speed and throughput.

MY100DX SYNERGY

Combined into the MY100DX Synergy line, you get up to 320 feeder positions, and a top speed of 68,000 components per hour.

MY100DX-10/10
MY100DX-10/14
MY100DX-14/14

MY100SX SYNERGY

Combined into the MY100SX Synergy line, you get up to 352 feeder positions, and a top speed of 43,000 components per hour.

MY100SX-10/10
MY100SX-10/14
MY100SX-14/14

Experience new levels of printing freedom.

Using revolutionary new technology for solder paste application, the MY500 shoots solder paste on-the-fly without touching the PCB. Because it needs no stencils, it offers many advantages over standard screen printers – such as more PCB design freedom and virtually no changeover or lead times.

MY500

Jet Printing Technology

Component storage just got intelligent.

In today's SMD production environment, time is money. So rather than spending valuable time looking for components stored in different locations or returning material to stock, the MYDATA SMD Tower provides more intelligent, automatic access to component reels and trays in just one square meter of floor space.

SMD TOWER

Intelligent Component Storage

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P-001-0203/March 2009