

MY100™

Flexibility just got a
whole lot faster.



MYDATA®

Introducing the next generation of pick and place machines.



- Need to handle high-mix jobs?
- Want to produce higher volumes?
- More flexibility?
- Continuous production?
- Long term profitability?

Need we say it, but the new MY100 has it all. And over the next few pages, you're about to discover how.



Prepare your business for anything.

Do you know how your future workload will look? Today's SMT market is dynamic, to say the least. We are in a stage of transition where you can no longer just work with top-speed machines or flexible machines - you need to have both. You need to handle everything from long production runs with a low mix of components and boards, to shorter production runs that have a much higher mix. So while these two worlds of SMT converge, production companies like you are left in a constant state of compromise. Staying efficient and productive has been a struggle. Until now.

The MY100 will take you wherever you want to go – without compromise.

MYDATA machines have always thrived in high-mix

applications. We have made changeovers a breeze.

Set-ups seamless. Now, thanks to a number of breakthrough innovations, the MY100 offers you the ability to take on both high-mix and higher-volume jobs. Without compromise.

Respond to your customer's needs.

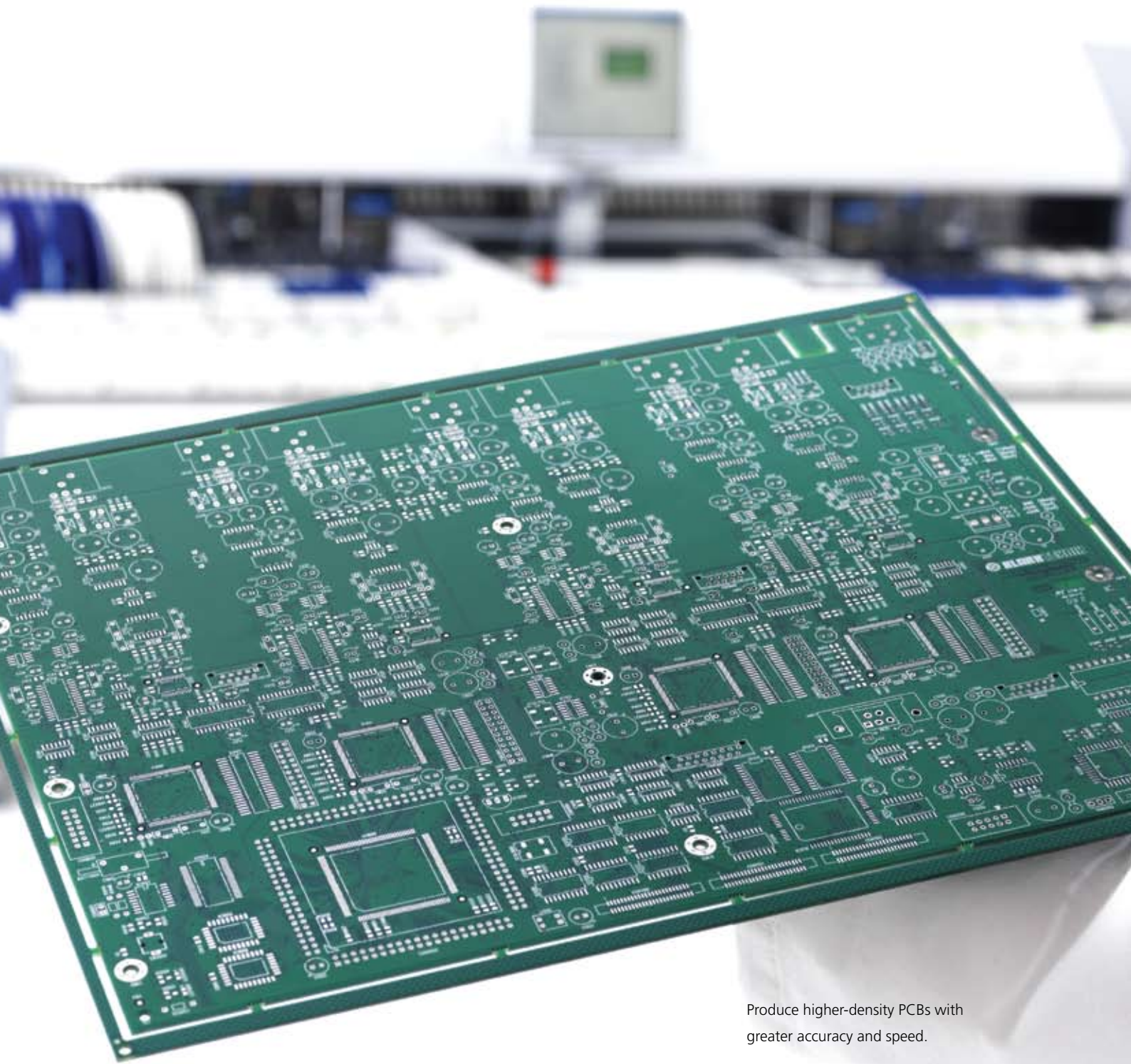
The MY100 is the most complete, all-in-one SMT machine to date. Higher speeds, a higher feeder capacity, higher accuracy and more reliable than ever – all in a machine that's as flexible as anyone would expect from MYDATA. Loaded with smart new features and functions, the MY100 allows you to respond to whatever your needs might be. Quickly, efficiently and effectively.



No job too big - or small.



Achieve more feeder capacity in less space.



Produce higher-density PCBs with greater accuracy and speed.

Ready to pick up the pace?

Introducing the Dual X drive system - the heart of the MY100. With a combination of different mounthead, vision systems and a linear drive motor system, the MY100 has an increased throughput of 70% and a top speed of up to 34,000 components per hour.

Featuring the new HYDRA Z8 high speed mounthead and the Midas high precision head, the two individual mounthead carriers are controlled with utmost precision and speed. With 18 nozzles in total, you will be capable of mounting a vast range of component types, resulting in excellent real throughput - whatever the mix of components.

Advanced vision. Higher accuracy.

To ensure you get the best placement results, the MY100 is equipped with both the Dual Vision System (DVS) and the Linescan Vision System (LVS). The LVS combines maximum centering speed and highest precision for the vast majority of components, whereas the DVS takes care of flip chips and other specialized components. Additionally,

the MY100 has cameras for first article inspection, and smart supporting functions like the "look before pick" feature.

Autoteach – for easy package programming.

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.

Future proof accuracy.

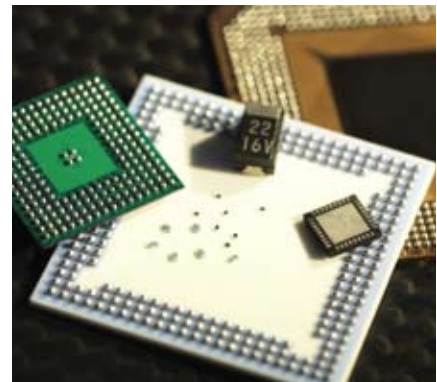
MYDATA machines have always had a good reputation for high accuracy levels. The MY100 is no different. With its rigid machine frame, X-wagon design and Automatic Thermal Adaption technology, excellent accuracy can be maintained, under varying operating conditions, with a vast range of components. You will also be totally prepared for all future package technologies.



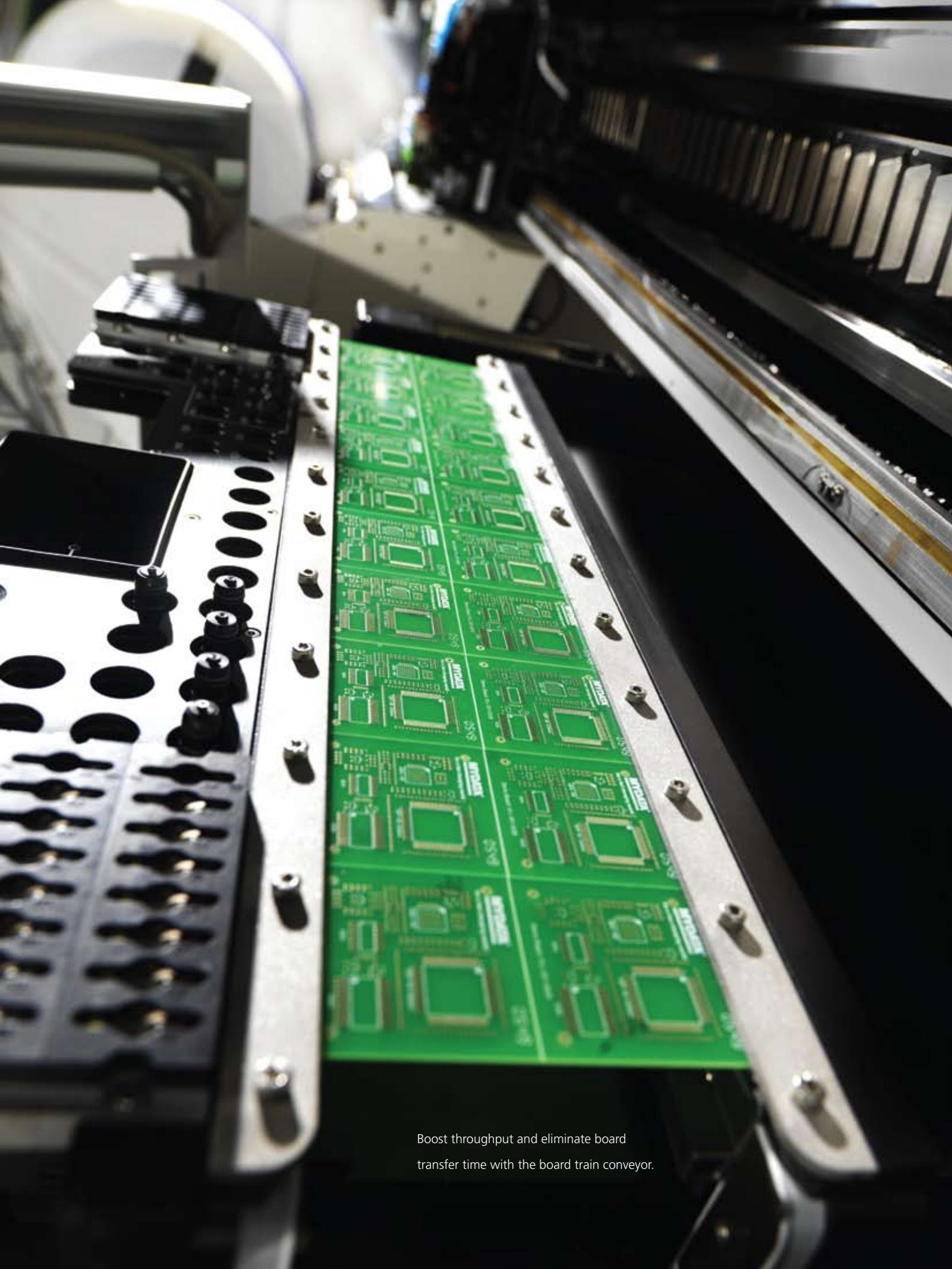
Dual mounthead system.



High precision linear drive.



Accuracy to handle future packages.



Boost throughput and eliminate board transfer time with the board train conveyor.



Benefit from full compatibility
with intelligent Agilis feeders.

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 unrivaled flexibility from a combination of intelligent feeders and magazines for tapes, sticks, trays and other carriers.

Our unique Agilis feeders are easier and quicker to load than any others on the market. And by keeping preloaded Agilis feeders on hand, you can perform setups 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 reoptimizes 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 160 feeders, adding 32 feeder positions without increasing the machine foot print. Alternatively, the new 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 160 feeders in a compact footprint.

Software that simplifies your operation and enhances productivity.

More than just a state-of-the-art machine, the MY100 comes with software that improves quality, boosts efficiency and impacts your bottom line. Whether you're an engineer, operator or manager, our Assembly Process Management (APM) 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.

1. 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. The end result is ready-to-run mount programs and assembly instructions.

2. 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 and guide you through the process of creating step-by-step kitting instructions.

3. Manufacturing - TPSys™/MYLabel™

Loaded with smart functions that support high-mix jobs, setups and changeovers, our machine operating software is designed to produce PCBs according to the specifications every time. Eliminating rework situations with the electrical verifier option, it will keep your machines running, no matter what.

4. Performance Monitoring and Traceability - TPSys™ Web Interface

For continuous improvement of your manufacturing process, our performance monitoring software keeps an event log with detailed traceability data. 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. With MYDATA's APM software suite, you can handle programming and any other task off-line from anywhere in the facility, at any time. Without ever having to stop production.



Changeover instructions to enhance productivity.



Performance monitoring and traceability.

Data preparation and programming made easy.



A range of all-in-one solutions – w

Take your pick. How many feeder positions do you need? What speed do you need? The MY100 is just the latest addition to our family. With the range you see here, MYDATA has the optimum production solution for you – whatever your needs.

The MY100 makes the perfect 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 10/14

MY100DX 10/14 features 96 or 160 feeder positions with a top speed of 34,000 components per hour.



MY100DX 10/14 SYNERGY

Combined into the MY100DX 10/14 Synergy line and you get between 192 - 320 feeder positions, and a top speed of 68,000 components per hour.

whatever your production needs.

Meanwhile, the MY9 - MY19 machines are particularly suited for high mix production - offering many solutions for many different requirements. When combined into

a MYSynergy line, you can seamlessly double your production runs, regardless of lot size and PCB complexity.



MY9 - MY19

Feeder positions available with MY9, MY12, MY15 and MY19 machines range from 96 - 256 feeders, and speeds of up to 21,000 components per hour.



MY9/12 SYNERGY

MY9 Synergy and MY12 Synergy lines feature from 192 - 288 feeder positions, with a top speed of 42,000 components per hour.

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