

MYCRONIC

Master any mix.
Turn up the volume.

MYPro A40™ pick-and-place



Bigger volumes. Bigger opportunities.

Looking to expand your product mix and your production volumes? Now you can. The MYPro A40™ delivers the high accuracy and fast changeovers you expect from the icon of agility, together with a dramatic increase in throughput speed. Whatever jobs tomorrow might throw your way, there's never been a more versatile way to scale up production and grow your business.

THE EVOLUTION OF AN ICON

Same robust frame and feeder technology. All-new mounthead and user interface. A leap forward in performance and versatility. Thanks to the all-new, high-speed MX7™ mounthead technology, the industry's most flexible pick-and-place platform just got turbocharged.

48% HIGHER THROUGHPUT

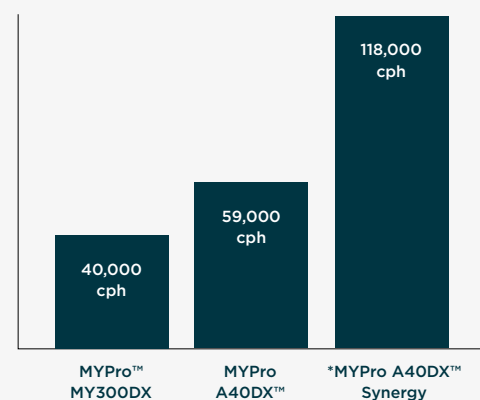
High-mix meets high-speed. Or rapid prototyping meets volume production. However you look at it, the MYPro A40DX™ maintains the industry's fastest changeovers while boosting top placement speeds by up to 48%. Giving high-mix producers far higher capacity for long series production runs. Or volume manufacturers the flexibility to take on jobs of any size without compromising overall cycle times. Thanks to seven independently controlled pick-

and-place nozzles, the MX7™ mounthead optimizes every movement to cover a vast range of applications and component sizes.

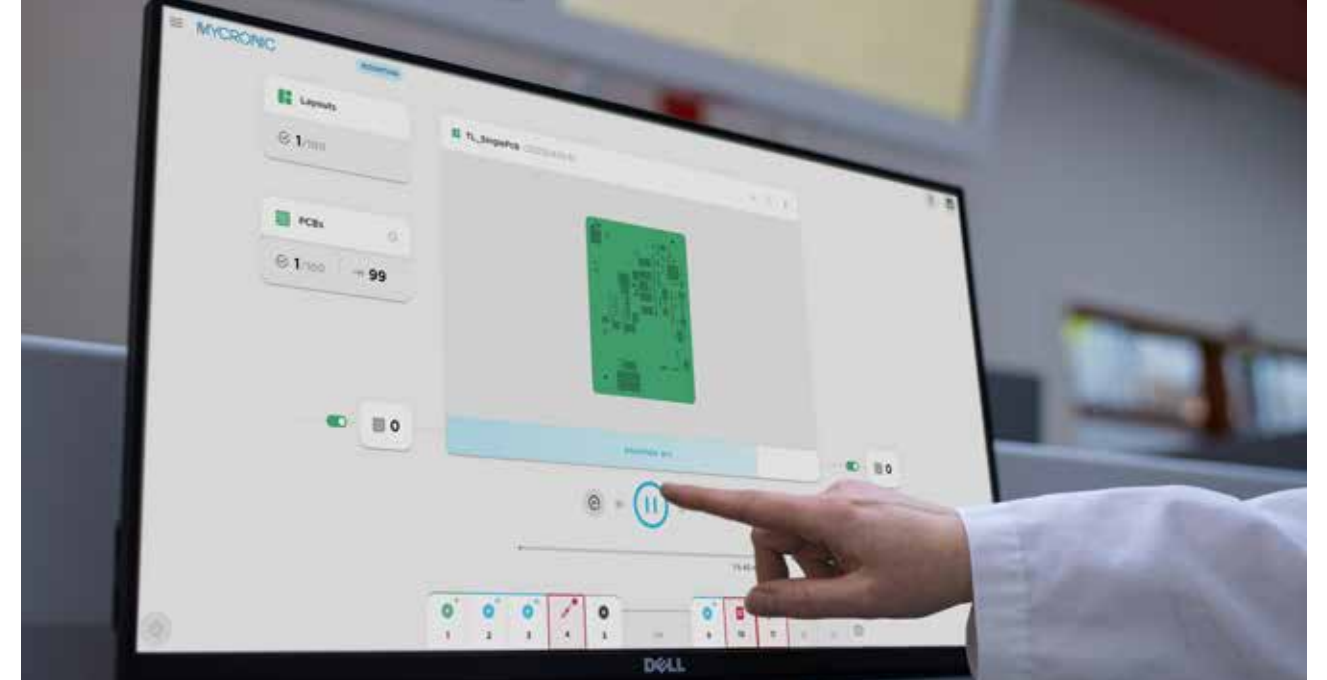
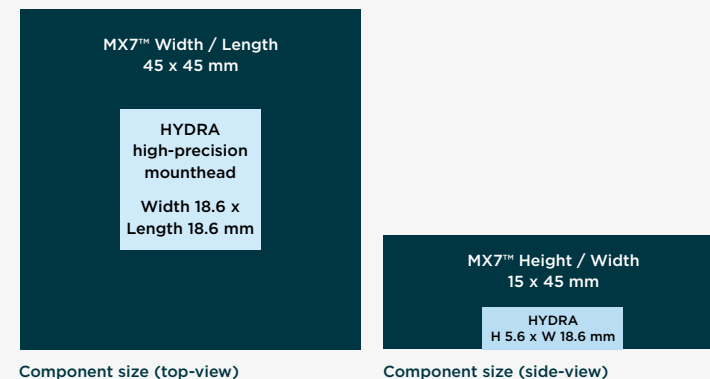
MOUNT 6 TIMES LARGER COMPONENTS

Because each of the seven MX7™ nozzles moves independently in theta and Z axes, they can pick, rotate and place nearly any imaginable component with extreme precision. Fine-pitch CSPs, FCs or BGAs. From components as tiny as 01005 up to those as large as 45x45x15 mm or as long as 150x40x15 mm. Or stacked, dipped and entirely new package varieties. Whatever the next job demands, a series of high-precision vacuum sensors and a low-impact nozzle mass ensure you can pick and place a significantly broader range of parts and sizes without damaging, mis-picking or dropping components.

Placement speed



Component range improvement for high-speed mounthead



INTUITIVE INTERFACE DESIGN

Of course, no modern production environment is complete without the most streamlined user interface. On the MYPro A40™, this means an all-new graphical interface that raises the visibility of vital process data while providing simple, intuitive touchscreen guidance. It makes operator training simple, day-to-day functions more accessible and program settings virtually foolproof.

SOFTWARE-DRIVEN AUTOMATION

True to the MYPro™ assembly concept, the MYPro A40™ includes the richest software suite in the industry. Standard CFX and ERP interfaces enable factory-wide connectivity. And MYCenter puts you in full control with complete material tracking, proactive replenishment, modern SQL databases and enhanced process automation.

EASY MATERIAL MANAGEMENT

Mycronic'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 and trays. Our unique Agilis™ feeders with no moving parts are easier and quicker to load than any other on the market. And by keeping pre-loaded Agilis feeders on hand, you can perform set-ups and changeovers even faster. Since all Mycronic 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 system 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. Reprogramming of pick positions is also eliminated. Instead, the system software instantly recognizes the feeder, regardless of machine or position, and reoptimizes the mounting program to maintain the highest levels of efficiency.

The Mycronic software suite includes:

- Full visibility planning and fast, error-free converting of CAD and material data
- 100% stock accuracy with scannable feeders and ERP connection module
- Complete traceability down to individual PCB level
- User-friendly material handling with e-labels for paperless kitting guidance
- Proactive replenishment monitor with automated material delivery

Available models and production cells

- MYPro A40DX-13:** feeder capacity up to 160 x 8mm reels
- MYPro A40DX-17:** feeder capacity up to 224 x 8mm reels
- MYPro A40DX Synergy line:**
 - Two MYPro A40DX combined into a unified, high-volume pick-and-place solution
 - 118,000 cph rated top speed
 - Feeder capacity up to 448 x 8 mm reels

* All MYPro A40DX models include two MX7 high-speed mountheads and one MIDAS high-precision mounthead.

The new MX7™ mounthead **Flexibility. Turbocharged.**

At the heart of the MYPro A40™ is the next-generation MX7™ mounthead technology. The result of several years of in-house development, it packs a powerhouse of independent motors, sensors and servo control technologies into a remarkably compact footprint.

NEXT-LEVEL FLEXIBILITY

- Mount six times larger components up to 45x45x15 mm
- Mount long components up to 150x40x15 mm

PRECISION ENGINEERING

- Low-maintenance modular design
- 7 high-precision vacuum sensors for low-force placement of less than 2N

HIGH-SPEED PERFORMANCE

- 48% faster top placement speeds
- 14 independent Z and Theta motors



The MYPro A40™ **Flex your potential**

The master of high-mix just turned up the volume. All so you can handle the widest possible range of components and batch sizes with the highest productivity and fastest cycle times. Equipped with the all-new high-speed MX7™ mounthead, the MYPro A40™ paves a new path forward towards the future of flexible assembly.

Boost your output:
48% higher speeds

Simplify your workflow:
All-new intuitive user interface

Expand your possibilities:
6 times larger component size with MX7™

MYPro Line™ assembly solutions. Built for tomorrow's change-makers.

CHANGE IS IN THE AIR

New components. New product mixes. And now, a fast and flexible assembly line that keeps you several steps ahead of them all.

With MYPro Line™ assembly solutions, there's virtually no technology, board design or batch size that can slow your growth. Handle any material flow. Jet any fluid media. Place any component. And eliminate every defect. All with full vertical and horizontal connectivity. And industry-leading planning and process control software to make quick work of even the most demanding build schedules.

More than the sum of their parts, MYPro Line™ assembly solutions combine to form the market's most productive just-in-time production environment. Allowing you to master any mix. Turn up the volume. And embrace whatever changes tomorrow may bring.

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MYCRONIC.COM

SWEDEN

Mycronic AB
PO Box 3141
Nytorpsvägen 9
SE-183 03 Täby
Sweden

Tel: +46 8 638 52 00

NETHERLANDS

Mycronic B.V.
High Tech Campus 10
5656 AE
Eindhoven
Netherlands

Tel: +31 402 62 06 67

FRANCE

Mycronic S.A.S.
1 rue de Traversière
CS 80045
94513 Rungis Cedex 1
France

Tel: +33 1 41 80 15 80

SOUTH KOREA

Mycronic Co. Ltd.
3rd Floor, Jung-San
Bldg. 1026-8
Sanbon-Dong, Gunpo-Si
Gyeonggi-Do, 15808
South Korea

Tel: +82 31 387 5111

SINGAPORE

Mycronic Pte., Ltd.
9 Tagore Lane,
#02-08/09
9@Tagore
Singapore 787472

Tel: +65 6281 7997

GERMANY

Mycronic GmbH
Biberger Straße 93
D-82008 Unterhaching
bei München
Germany

Tel: +49 89 4524248-0

UK

Mycronic Ltd.
Unit 2, Concept Park
Innovation Close
Poole, Dorset, BH12 4QT
UK

Tel: +44 1202 723 585

CHINA

Mycronic Co., Ltd.
Unit 106, E Block
Lane 168, Da Duhe Road.
Putuo District, 200062
Shanghai P.R. China

Tel: +86 21 3252 3785/86

JAPAN

Mycronic Technologies KK
KDX Chofu Bldg.
1-18-1 Chofugaoka
Chofu-shi
Tokyo 182-0021
Japan

Tel: +81 42 433 9400

USA

Mycronic Inc.
554 Clark Road
Tewksbury
MA 01876
USA

Tel: +1 978 948 6919