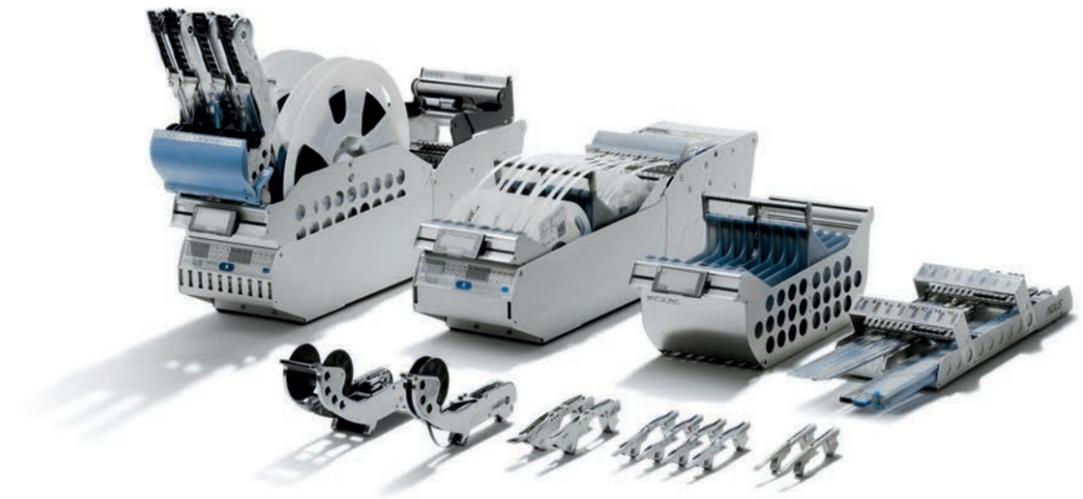


Mycronic MYPro™ Line **Accessories and software**

2026 Accessory catalog



Smart
accessories
for the SMT
assembly
shop floor



Pick-and-place Feeders and accessories

Mycronic's Agilis™ feeder systems provide the most intelligent and agile component delivery solution on the market. Whether it's tape, stick or matrix tray feeders, or components of any shape and size, Mycronic's feeders are designed to deliver the utmost in reliability, performance and easy operation.

AGILIS 8 MM TAPE MAGAZINES AND FEEDERS

The ALM8 magazine and the Agilis 8mm feeder is the backbone of the Agilis feeder system. The 8mm tape feeder is using a unique cover tape separation method without take-up reels, making it fast and easy to load and unload. The ALM8 magazine can hold up to 16 different 8mm tapes.

PART NO.	DESCRIPTION (typical package)
L-014-1561B	Agilis LM8 magazine with wide bin
L-014-1395	Agilis Feeder 8mm 3.7 green (01005, 0201)
L-014-1320	Agilis Feeder 8mm 4.0 white (0402, 0603)
L-014-1319	Agilis Feeder 8mm 4.7 yellow (0805, 1206, MELF-2012)
L-014-1321	Agilis Feeder 8mm 5.4 red (SOT-23, SOT-143, MELF-3514)
L-014-2119	Agilis Feeder 8mm ADJ 3.7-5.5 kit black

AGILIS 12/16 MM TAPE MAGAZINES AND FEEDERS

The Agilis 12/16mm feeders are using the same unique cover tape separation method without take-up reels as the 8mm feeders. The ALM1216 magazine can hold up to 8 different 12 or 16mm tapes.

PART NO.	DESCRIPTION
L-014-1562C	Agilis LM12/16 magazine with bin
L-014-1490	Agilis Feeder 12, 8.5
L-014-1552	Agilis Feeder 12, 7.5-9.5
L-014-1492	Agilis Feeder 16, 12.5
L-014-1553	Agilis Feeder 16, 11.0-13.0



AGILIS FLEX TAPE MAGAZINES AND FEEDERS

The Agilis Flex magazine offers you the possibility to handle any tape component, from 8 to 152 mm in width, with pocket depths that accommodate even the tallest components. Whatever tape components arrive on your production floor, Agilis Flex is built to handle them. The new generation 2 design incorporates several design updates that improve reliability, durability and user friendliness (see separate description).

PART NO.	DESCRIPTION
L-014-1933C	Agilis LM Flex magazine with bin
4052911	Agilis Feeder 8 Flex Generation 2
4052912	Agilis Feeder 12 Flex Generation 2
4052913	Agilis Feeder 16 Flex Generation 2
4052914	Agilis Feeder 24 Flex Generation 2
4052915	Agilis Feeder 32 Flex Generation 2
4052916	Agilis Feeder 44 Flex Generation 2
4052917	Agilis Feeder 56 Flex Generation 2
4052918	Agilis Feeder 72 Flex Generation 2
4052919	Agilis Feeder 88 Flex Generation 2
4052920	Agilis Feeder 104 Flex Generation 2
4052921	Agilis Feeder 120 Flex Generation 2
4052922	Agilis Feeder 136 Flex Generation 2
4052923	Agilis Feeder 152 Flex Generation 2



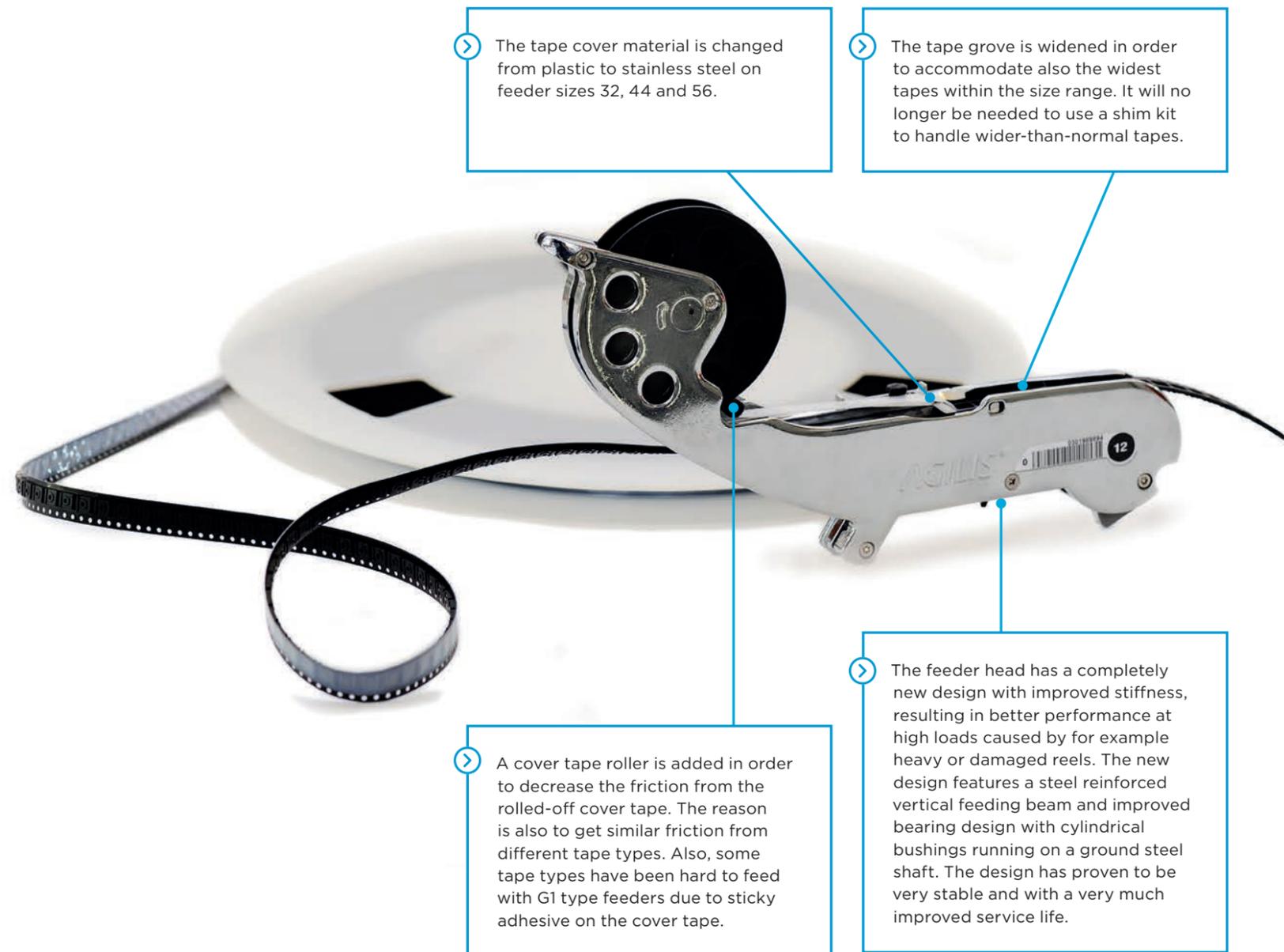
IMPROVE AGILIS FLEX RELIABILITY WITH REEL HOLDERS

The reel holder is an accessory that improves the reliability and reduces the risk of stepping errors when using Agilis Flex feeders. The reel holder will elevate the reel from the bin floor, and thereby reduce the friction when rotating.

PART NO.	DESCRIPTION
4013516	Reel holder 8 mm
4011720	Reel holder 12 mm
4011721	Reel holder 16 mm
4011722	Reel holder 24 mm
4011723	Reel holder 32 mm
4011724	Reel holder 44 mm

AGILIS FLEX GENERATION 2

Generation 2 of the Agilis Flex feeders have been mechanically modified in several ways in order to improve reliability, durability and user friendliness. The changes are described below. Generation 2 flex feeders are fully compatible and interchangeable with all previous feeder revisions and require no hardware or software upgrade.





AGILIS 4 MM FEEDER AND MAGAZINE

The ALM4 magazine and the Agilis 4 mm feeder is the ideal solution for 4 mm tape, which is primarily used for small chip components such as the 01005. The 4 mm tape feeder is using the same unique cover tape separation method as the well-known 8, 12, and 16 mm Agilis feeders, making it fast and easy to load and unload. The ALM4 magazine can hold up to 16 different 4 mm tapes, and is of course hot-swappable. It's not possible to put any other feeder type in the ALM4.

Technical requirements

- The ALM4 is compatible with MY100/200/300 machines and requires TPSys 5.1 or later.
- The ALM4 requires MCU with CMOT3. Replace MCU if older version. The CMOT3 was released in 2014.

PART NO.	DESCRIPTION
4049257	Agilis Feeder 4, 2.0
L-014-2170	Agilis LM4 magazine with bin



AGILIS STICK MAGAZINE

The Agilis Stick Magazine, ASM, utilizes a high-precision, short-stroke linear drive with a servo-controlled, horizontal motion to effectively reduce operator assistance and component waste. Because the ASM handles a very wide range of SMT components you will always be prepared for any job. Removable stick pallets with a built-in pallet ID and barcode system allow you to replenish and pre-load components before they are loaded into the magazine.

PART NO.	DESCRIPTION
L-014-1642	Agilis Stick Magazine
L-014-1687	Agilis Stick Pallet 10mm height
L-014-1688	Agilis Stick Pallet 10/28mm height



STICK POSITIONERS

The ASM stick positioners are used for positioning components and sticks in Agilis stick pallets.

PART NO.	DESCRIPTION
L-014-1768	Positioner DPAK TO-252
L-014-1792	Positioner DPAK TO-263
L-014-1756	Positioner MSOP8/10
L-014-1843	Positioner PLCC18
L-014-1766	Positioner PLCC20
L-014-1796	Positioner PLCC20 socket
L-014-1762	Positioner PLCC28/32
L-014-1797	Positioner PLCC28/32 socket
L-014-1763	Positioner PLCC44
L-014-1798	Positioner PLCC44 socket
L-014-1794	Positioner PLCC52
L-014-1799	Positioner PLCC52 socket
L-014-1795	Positioner PLCC68
L-014-1800	Positioner PLCC68 socket
L-014-1767	Positioner PLCC84
L-014-1801	Positioner PLCC84 socket
L-014-1754	Positioner SO14/16
L-014-1788	Positioner SO14/16W 8.7
L-014-1769	Positioner SO16W 11.3
L-014-1802	Positioner SO18/20
L-014-1764	Positioner SO24
L-014-1784	Positioner SO24 WS20.5
L-014-1765	Positioner SO28
L-014-1785	Positioner SO28 WS20.5
L-014-1787	Positioner SO32
L-014-1753	Positioner SO8
L-014-1790	Positioner SO8 high
L-014-1789	Positioner SO8W 8.7
L-014-1837	Positioner SOJ20
L-014-1839	Positioner SOJ20/24/26
L-014-1838	Positioner SOJ24
L-014-1840	Positioner SOJ28
L-014-1841	Positioner SOJ32
L-014-1842	Positioner SOJ40
L-014-1791	Positioner SOT223
L-014-1758	Positioner TSSOP14/16
L-014-1759	Positioner TSSOP20/24/30
L-014-1836	Positioner TSSOP28/38/44
L-014-1757	Positioner TSSOP8/10
L-014-1750	Stick positioner blank
L-014-1751	Stick stop 10 adjustable
L-014-1752	Stick stop 28 adjustable

AGILIS TRAY MAGAZINE

The Agilis Tray Magazine ATM8 offers the possibility to handle up to eight JEDEC trays in a single magazine slot. Pallets are available in a range of different depths, accommodating different tray heights. If the tray height doesn't match any of the pallet heights, it can be handled by adding spacers below the tray.

Technical requirements

- TPSys 3.3 or later
- MTCB with CMOT5

PART NO.	DESCRIPTION
4002733	Agilis Tray Magazine ATM8
4002751	ATM pallet 1/4", 2 pcs
4002757	ATM pallet 1/2"
4002758	ATM pallet 3/4"
4002759	ATM pallet 1"
4002760	ATM pallet 1.7"
4002761	ATM pallet spacer 2 mm
4002762	ATM pallet spacer 5 mm
4002764	ATM pallet spacer 10 mm



REDUCE CHANGEOVER TIMES WITH AGILIS BINS

The Agilis bin offers a convenient and cost-efficient way of preparing and storing component reels, with or without feeders, ready for your next changeover. The preloaded bin can be easily dropped into any free magazine, and the feeders are then snapped into place with very little effort.

PART NO.	DESCRIPTION
L-014-2146	Agilis Bin LM8 7" wide
4062085	Agilis Flex Bin 15" for LM1216 and Flex
4062256	Reel centre axle, 10 pcs
4063744	Agilis Flex Bin wall 15", 4 pcs
4067914	Flex feeder holder





PAPERLESS GUIDANCE WITH AGILIS SMART BINS AND E-LABELS

The Agilis smart bin system provides paperless kitting guidance and changeover instructions, right in front of you. The e-labels show real-time information about material status and kitting progress, where you need it, when you need it. The system improves kitting efficiency by enabling operators to preload components in Agilis bins for upcoming jobs, without losing track of material location.

Technical requirements

- TPSys 5.2 or later
- Stand-alone data server.
- MYCenter Material Handling SW

PART NO.	DESCRIPTION
L-010-0900	E-label start kit EU
L-010-0912	E-label start kit US

AGILIS LARGE REEL ATTACHMENT

The Agilis Large Reel Attachment (LRA) is used to handle reels that are too large to be placed inside the bin. The LRA can hold up to four reels at the same time, with individual braking force for each side. Compatible with ALM8, ALM1216 and ALM Flex magazines.



PART NO.	DESCRIPTION
4014720	Agilis Large Reel Attachment

AGILIS FEEDER RACK

A feeder rack for convenient storage of Agilis feeders. The rack can hold 8, 12 and 16 mm Agilis feeders in any combination. Up to 16 feeders (8mm) can be stored in the rack.



PART NO.	DESCRIPTION
L-014-1623	Agilis Feeder rack

NEW LARGE REEL BIN WITH FLEX FEEDER HOLDER

Unleash the potential of your Agilis magazines with our new large reel bin and feeder holder. Place reels up to 15" in diameter directly in the bin for more streamlined production. Between jobs, store your reels with the Flex feeder attached in this compact Agilis bin for easy access and quick machine setup.

Technical requirements

- Agilis Flex magazine or Agilis 12/16 magazine



PART NO.	DESCRIPTION
4067914	Flex feeder holder
4062085	Agilis Flex Bin 15" for LM1216 and Flex (including 4x bin wall and 10x reel centre axle)
4063744	Agilis Flex Bin wall 15", 4 pcs
4062256	Reel centre axle, 10 pcs

Pick-and-place Board handling

Are you looking to increase automation, improve quality or reduce production costs for your circuit board manufacturing? With Mycronic's board handling solutions you can achieve all of those goals. From board supports and fixtures to complete lines, we provide the electronics industry with state-of-the-art solutions that are ready for whatever the future will bring.

ELIMINATE MANUAL POSITIONING OF SUPPORT PINS

The "SoftCone" universal board support is a semi-rigid support device that eliminates manual positioning of support pins. The vertical rubber fingers will provide enough support to prevent the board from bending during placement, but at the same time conform to the shape of already mounted components on the bottom side of the board. The support, which is kept in place by magnets, is easily positioned on the lift-plate, between the fixed and moving rail on the internal conveyor, and does not require any further adjustments.

Technical requirements

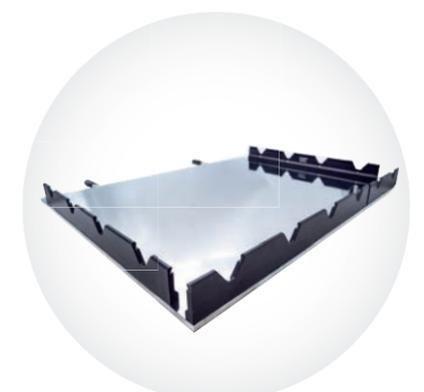
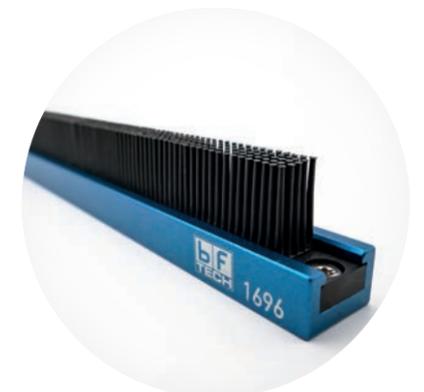
- MY300 with T460/T640, or MY100/200 with T3/T4

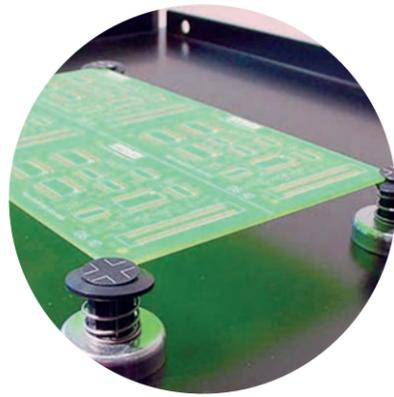
PART NO.	DESCRIPTION
4054114	Board support SoftCone 327mm T460/T3
4054116	Board support SoftCone 530mm T640/T4

MANUAL LOAD ADAPTERS

The manual load adapter turns the internal conveyor into a manual load table for odd boards or small batches. Includes board edge support and support pins.

PART NO.	DESCRIPTION
L-045-0540	Manual load adapter for T3/T460
L-045-0539	Manual load adapter for T4/T640
L-045-0485	Manual load adapter for T5
L-045-0486	Manual load adapter for T6





ODD-BOARD FIXTURE

The odd-board fixture is suitable for handling odd-shaped or non-standard boards that can't be transported on conveyor belts.

PART NO.	DESCRIPTION
L-037-0053	Inline odd-board fixture kit
L-037-0052	Board support
L-037-0055	Support pin adjustable

PCB MAGAZINES FOR LOADERS, UNLOADERS AND BUFFERS

The series 700 magazines provide safe and easy PCB handling. All board contact surfaces are made from conductive ESD-safe polyesterol plastic. Width is changed by pulling the gear belt mounted on the fixed PCB guide wall until correct width is achieved. The magazines are available in different sizes depending on maximum panel width required.

PART NO.	DESCRIPTION
K-017-0486	PCB magazine 310 mm series 700
K-017-0294	PCB magazine 390mm series 700
K-017-0295	PCB magazine 460mm series 700
K-017-0296	PCB magazine 510 mm series 700



Pick-and-place Pick-up tools

Large BGAs, LEDs, switches, sockets or coils. From the smallest chip components up to large connectors. Or stacked, dipped and entirely new package varieties. Whatever the next job demands, our standard or custom-made nozzles make quick work of them all.



Hydra head Generic tools

PART NO.	NAME	COLOR CODE	DESCRIPTION	ID (mm)	OD (mm)
L-012-1346	H08	Purple	For 01005. Ceramic.	0.13	0.4
L-012-0816	H06	Green	For 0201.	0.25	0.6
L-012-1361	H09	Yellow-white	For 0201. Ceramic.	0.25	0.6
L-012-0533B	H01	White	For 0402.	0.5	1.2
4058968	H07	Orange	For 0402. Ceramic.	0.4	1.0
L-012-0534B	H02	Yellow	For 0603-1210.	0.7	1.5
4058969	H10	Red-white	For 0603-0805. Ceramic.	0.7	1.2
L-012-0592	H04	Blue	For SOD80/MiniMELF.	0.9	1.5
L-012-0576	H04	Blue	Spare tool tips for H04.	0.9	1.5
L-012-0535B	H03	Red	SO8/14/16	1.0	3.0
L-012-0824	H05	Brown	SO16/20/24	2.8	5.2



MX7 head Generic tools

PART NO.	NAME	COLOR CODE	DESCRIPTION	ID (mm)	OD (mm)
4081438	X04	Brown	For 01005. Ceramic. 7 pcs.	0.13	0.45
4080784	X06	Red	For 0201. Ceramic. 7 pcs.	0.25	0.6
4080785	X12	Orange	For 0402. Ceramic. 7 pcs.	0.4	1.0
4080786	X14	Yellow	For 0603. Ceramic. 7 pcs.	0.7	1.2
4080787	X16	Green	For 0805. Ceramic. 7 pcs.	1.0	1.6
4080788	X18	Blue	For 1210-1812. Ceramic. 7 pcs.	1.5	2.4
4064568	X22	Purple	For small IC:s. Ceramic. 7 pcs.	2.8	5.2
4064569	X24	Grey	For mid-sized IC:s. Ceramic. 7 pcs.	1.5	6.0
4064570	X28	White	For large IC:s. Ceramic. 2 pcs.	2.4	10.0
4069562	X21	-	For mini/micro-MELF. Rubber. 7 pcs.	0.4	1.0
4069563	X23	-	For MELF. Rubber. 7 pcs.	0.7	1.5
4093663	X25	-	For large MELF. Rubber. 7 pcs.	0.6	2.0
4093664	X27	-	For large MELF. Rubber. 7 pcs.	0.8	3.0
4093665	X29	-	For large MELF. Rubber. 7 pcs.	1.2	4.0



Midas head Generic tools

PART NO.	NAME	DESCRIPTION
L-012-0011E	Tool A12	Spring-suspended tool with 0.8mm (0.03") internal diameter tip.
L-012-0012F	Tool A13	Spring-suspended tool with 1.2mm (0.047") internal diameter tip. Color black. Typical component types: 1206, 1812, SOT-89. Spare part tool tip: D-012-1162.
L-012-0109C	Tool A14S	Spring-suspended tool with 2.0mm (0.08") internal diameter tip.
L-012-0014D	Tool A23	Stiff tool with 3.0mm (0.12") internal diameter tip. Insulated. Color black. Not exchangeable tool tip. Typical component types: SO-18, SO-20, Flat Pack-80.
L-012-0551B	Tool A23S	Spring-suspended tool with 3.0mm (0.12") internal diameter tip, including spare tip and puller for tip replacement.
L-012-0015D	Tool A24	Stiff tool with 5.0mm (0.2") internal diameter tip. Insulated. Color black. Not exchangeable tool tip. Typical component types: LCCC, PLCC, QFP.
L-012-0552B	Tool A24S	Spring-suspended tool with 5.0mm (0.2") internal diameter tip, including spare tip and puller for tip replacement.
L-012-0016E	Tool A34	Spring-suspended MELF tool for 1.5mm (0.06") diameter. Insulated. Color black. Typical component type: MINIMELF. Spare part tool tip: D-012-0308C.
L-012-0884	Tool B12	Spring-suspended tool with tip measuring 0.13 mm (0.005") internal diameter, 0.45 mm (0.018") outer diameter. Typical component 01005 and 0201.
L-012-0389	Tool B13 short	Stiff, extra short tool with 8mm (0.3") internal diameter tip and 10mm (0.4") outer diameter.
L-012-0020E	Tool B23	Spring-suspended MELF tool for 2.5mm (0.1") diameter. Insulated. Color black. Typical component type: SOD80. Spare part tool tip: D-012-0248D.
L-012-0021E	Tool B24	Spring-suspended MELF tool for 2.3mm (0.09") diameter. Insulated. Color black. Typical component type: MELF. Spare part tool tip: D-012-0255D.
L-012-0022E	Tool B34	Spring-suspended MELF tool for 2.0mm (0.08") diameter. Insulated. Color black. Typical component type: MELF. Spare part tool tip: D-012-0404C.
L-012-0802	Tool C14	Spring-suspended tool with tip measuring 0.25mm (0.01") internal diameter.
L-012-0026D	Tool C23	Stiff tool with 8mm (0.3") internal diameter tip. Insulated. Color black. Not exchangeable tool tip. For large components mounted using optical centering.
L-012-0383C	Tool C23S	Spring-suspended tool with 8mm (0.3") internal diameter tip. Insulated. For large components mounted with optical centering. Spare part tool tips: L-012-0381B.



Hydra head Special tools

PART NO.	NAME	DESCRIPTION
L-012-0971	Tool Hydra LED Cree XP/XT	Hydra LED tool designed in non-stick material for Cree XP-E, XP-G, XT-E or compatible parts. With evacuation holes. Suitable for Hydra without blow function. Outer diameter: 4.00 mm. Inner diameter: 3.45 mm. Set of 9.
L-012-0972	Tool Hydra LED Luxeon Rebel	Hydra LED tool designed in non-stick material for Luxeon Rebel ES/Rebel Plus, Cree XH-B/XH-G, Osram Oslon Square GW CSSRM1/LCW/LD/LUW or compatible parts. Outer diameter: 3.3 mm. Inner diameter: 2.8 mm. Set of 9.
L-012-0997	Tool Hydra LED Luxeon Z	Hydra LED tool designed in non-stick material for Luxeon Z or compatible parts. Outer diameter: 1.2 mm. Inner diameter: 0.5 mm. Set of 9.
L-012-1006	Tool Hydra LED Luxeon C	Hydra LED tool designed in non-stick material for Luxeon C or compatible parts. Outer diameter: 2.0 mm. Inner diameter: 1.75 mm. Set of 9.
L-012-1010	Tool Hydra LED Cree XP/XT	Hydra LED tool designed in non-stick material for Cree XP-E, XP-G, XT-E or compatible parts. Suitable for Hydra with blow function. Outer diameter: 4.0 mm. Inner diameter: 3.45 mm. Set of 9.
L-012-0948	Tool Hydra LED Cree XB	Hydra LED tool designed in non-stick material for Cree LEDs type XB or compatible parts. OD = 2.2 mm, ID = 1.8 mm. Set of 9.
L-012-0950	Tool Hydra LED Avago ALMD	Hydra LED tool for Broadcom (Avago) LEDs type ALMD or compatible parts. OD = 4.4 mm/ID = 3.9 mm. Set of 9.
L-012-1011	Tool Hydra LED Osram	Hydra LED tool designed in non-stick material for Osram Oslon Sq GW CSSRM2 or compatible parts. OD = 3.3 mm/ID = 3.0 mm. Set of 9.

MX7 head Special tools

PART NO.	NAME	DESCRIPTION
4077821	Set of 7 tools X32	LED tool designed in non-stick material for CREE XB-D, CREE XB-H, LUXEON 3020 and LUXEON IR compact. Outer diameter: 2.0 mm. Inner diameter: 1.75 mm. Set of 7.
4077822	Set of 7 tools X34	LED tool designed in non-stick material for OSRAM Oslon Square GW CSSRM2. Outer diameter: 3.3 mm. Inner diameter: 3.0 mm. Set of 7.
4077823	Set of 7 tools X36	LED tool designed in non-stick material for LUXEON R, CREE XH and OSRAM Oslon Square GW CSSRM1. Outer diameter: 3.3 mm. Inner diameter: 2.8 mm. Set of 7.
4082165	Set of 7 tools X38	LED tool designed in non-stick material for CREE CLX6E-FKC, MD-A, XP-G2 and XP-G3. Outer diameter: 4.0 mm. Inner diameter: 3.45 mm. Set of 7.



Midas head Special tools

PART NO.	NAME	DESCRIPTION
L-012-0845	Tool C24 flat nozzle 2.9 mm x 1.0 mm	Nozzle outer dimensions 2.9 mm x 1.0 mm. Typical components: Connectors.
L-012-0846	Tool C24 flat nozzle 4.5 mm x 1.0 mm	Nozzle outer dimensions 4.5 mm x 1.0 mm. Typical components: Connectors.
L-012-0847	Tool C24 flat nozzle 7.0 mm x 1.0 mm	Nozzle outer dimensions 7.2 mm x 1.2 mm. Typical components: Connectors.
L-009-0357	Tool C24 flat nozzle 1.5 mm x 1.0 mm	Nozzle outer dimensions 1.5 mm x 1.0 mm. Typical components: Connectors.
L-012-0848	Tool C24 MELF 3.3	Tool tip curve radius 1.65 mm. Typical components: MELF, diodes.
L-012-0849	Tool C24 MELF 4.5	Tool tip curve radius 2.25 mm. Typical components: MELF, diodes.
L-012-0850	Tool C24 MELF 7.7	Tool tip curve radius 3.5 mm. Typical components: MELF, diodes.
L-009-0019	Tool double nozzle cc 3.8 45D	Nozzle dimensions d = 2 x 1.5 mm, cc 3.8 mm, height 8 mm. Typical components: Connector, coils or components with a center hole.
L-009-0350	Tool double nozzle cc 4.1 mm OD 1.5	Nozzle dimensions: d = 2 x 1.5 mm, cc 4.1 mm, height 8 mm. Typical components: Connectors with leads on the side, coils or components with a center hole.
L-009-0457	Tool double nozzle cc 4.3 mm	Nozzle dimensions: d = 2 x 1.2 mm, cc 4.3 mm, height 8 mm. Typical components: Connectors with leads on the side, coils or components with a center hole.
L-009-0151B	Tool double nozzle cc 6 mm	Nozzle dimensions: d = 2 x 3 mm, cc 6 mm, height 8 mm. Typical components: Connectors with leads on the side, coils or components with a center hole.
L-009-0003	Tool double nozzle cc 8 mm	Nozzle dimensions: d = 2 x 2 mm, cc 8 mm, height 8 mm. Typical components: Connectors with leads on the side, coils or components with a center hole.
L-009-0111	Tool gripper 2-5 mm	Grip 2-5 mm jaws, width 5 mm, height 4 mm. Typical components: Connectors, odd shape components.
L-009-0089	Tool gripper 2-6 mm	Grip 2-6 mm jaws, width 5 mm, height 5 mm. Typical components: Connectors, odd shape components.
L-009-0051	Tool gripper for dip switch	Grip 5-8 mm jaws, width 4 mm, height 1.5 mm. Typical components: Dip switch, connectors.
L-009-0163	Tool gripper wedge shaped jaws	Grip 3.6-6.4 mm jaws, width 5 mm, height 3.2 mm. Typical components: Connectors, odd shape components.
L-009-0071	Tool low force	Placement force 0.25N. Tool tip not included. Typical components: Fragile components or for mounting on fragile substrates.
L-012-1332	Tool Midas for Hydra nozzles	Spring loaded mount tool for the high-precision mounthead (Midas) to be used with Hydra nozzles, for example Hydra LED nozzles. Tool coded C24.
L-009-0308	Tool bellow suction cup	Special tool for uneven surface of heavy components. Outer diameter: 10.0 mm. Inner diameter: 9.2 mm.
L-009-0255	Tool QFP 22 mm	Diameter 22 mm. Special large tool bank required. Typical components: Large and heavy QFP/BGA.
L-009-0063	Tool thin nozzle	Tool for mounting of small components in narrow areas or close to tall components. Tip length 5.0 mm, diameter 0.5 mm.

Pick-and-place Software

Mycronic offers the richest software suite in the industry, with integrated applications covering the entire range of SMT assembly. All software is designed to provide a single set of reliable, searchable data, allowing you to improve utilization, efficiency and responsiveness more easily than ever before.

PROACTIVE REPLENISHMENT MONITOR

The Proactive Replenishment Monitor (PRM) software will guide the operator to prepare material in advance and place it nearby the machine, in order to reduce stoppages to a minimum. A web viewer shows a list of feeders in next-to-run-out order. The information displayed includes component name, location and remaining time until empty. The view can be configured to fit the working process, for example which machines should be monitored, and what time limits should activate the notification and warning color codes. The PRM SW can also be configured to automatically provide the new reel from the MYTower.

Technical requirements

- TPSys 3.3 or later

PART NO.	DESCRIPTION
4007590/05130	TPSys SW options upgrade MY300/PRM SW
L-050-0177/05130	TPSys SW options upgrade MY100/200/PRM SW





MYCENTER ANALYSIS — DASHBOARD SW

The dashboard and statistics software MYCenter Analysis gives Mycronic pick-and-place and jet printing users a great tool for improving utilization and reducing operator intervention.

The dashboard software includes the following main views:

- Live view — showing the current state of the line, number of boards produced, cycle time, efficiency, and workload balance.
- Component mispick and reject analysis — helping process engineers to fine-tune component handling parameters and finding the root cause for mispicks and vision rejects.
- Utilization analysis — showing the historical usage of the machines aggregated by day, week, month or year.
- Component placement analysis — showing the historical placement performance aggregated by day, week, month or year.

The historical data can be exported to a spreadsheet for further analysis and incorporation in for example a factory-wide performance report.

Technical requirements

- MY100/200/300
- MY700 (optional)
- TPSys 4.2 or later
- JPSys 3.19 or later

PART NO.	DESCRIPTION
4047484	MYCenter Analysis (1 machine)
4047485	MYCenter Analysis (2 machines)
4047486	MYCenter Analysis (3 machines)
4047487	MYCenter Analysis (4 machines)



BARCODE SCANNER WITH DISPLAY

The scanner’s on-board touchscreen shows the same loading guidance as MYCenter’s main screen, but in a more compact format. It helps the user to prepare, collect and load material without the necessity to remain physically at the MYCenter station. The scanner comes with a removable pistol grip, power supply and a charging cradle.

Technical requirements

- MYCenter 5.0 or later

PART NO.	DESCRIPTION
4023390	Barcode scanner with display EU
4027283	Barcode scanner with display US
4041173	Barcode scanner with display China
4041172	Barcode scanner with display Asia (excluding China)

History Pick-and-place software

TPSYS/MYCENTER 3.0 | New functionality

- Support for Linescan Vision System 3 with front light and dark field illumination — easier vision programming and lower reject rate

TPSYS/MYCENTER 3.1 | New functionality

- Easy programming of odd-shape packages and leadless packages using edge detection
- Handling of alternative components — possible to specify several valid components for each mount position

TPSYS/MYCENTER 3.2 | New functionality

- Support for Agilis smart bins with e-labels
- Faster kitting with new Dynamic Pick List
- Improved support for mounting very large components
- More robust reading of laser-marked 2D barcodes with PVC5
- Calibration of PVC5 light intensity, for better repeatability between machine individuals

TPSYS/MYCENTER 3.3 | New functionality

- Place-and-read PCB barcode label
- Integrated PRM software
- Support for Agilis Tray Magazine

TPSYS/MYCENTER 4.1 | New functionality

- ODB++ import wizard
- New component wizard with gerber-to-footprint matching
- Component approved for production
- Reference image AutoTeach
- Destination displayed on tower monitor
- Strict FIFO now possible
- User access handling
- Support for new high resolution label printer
- Improved feeder graphics

TPSYS/MYCENTER 4.2 | New functionality

- Possible to hide obsolete and non-approved layouts
- PCB ID settings on layout level — no need to change switch between batches
- TPSys quiet mode — less warning messages when no operator action is required
- Automatic board positioning on MY300

TPSYS/MYCENTER 5.0 | New functionality

- Support for barcode scanner with display
- Assisted mount function for zero reject assembly of small batches
- Separation of material belonging to different owners or projects
- Support for more than one multi-field barcode on carriers
- Support for ODB++ data in uncompressed folders
- Fields in carrier editor can be defined as **Required** or **Protected**

TPSYS/MYCENTER 5.1 | New functionality

- Support for board transport using the new Hermes industry standard
- MYCenter loading tab has improved support for selecting the correct Agilis feeder type
- Improved performance by automatic archiving of discarded carriers
- Improved performance when creating a large number of containers in MYCenter
- Lock/unlock function on PCB item to avoid change of component name by mistake

TPSYS/MYCENTER 5.2/5.3 | New functionality

- Improved MYPlan accuracy and balancing for MY300 machines
- Improved feeder and magazine placement guidance for MY300 machines
- Individual illumination when picking multiple components with Hydra
- Secondary feeder type support
- Support for flex-only tapes

TPSYS/MYCENTER 6.0/6.1 | New functionality

- Support for MYPro A40 machine with MX7 head
- New user interface and touch-screen support for MY300 and MYPro A40

TPSYS/MYCENTER 6.3 | New functionality

- AI-powered automatic feeder stepping and pick position fine-tuning
- Reduced cycle time with package parameter guidance

Inspection Software

As production conditions change and grow more complex, 3D AOI inspection is increasingly critical to eliminating defects, waste and rework. Thanks to new software utilizing AI image classification and pattern recognition, implementation becomes easier than ever. Whatever size your production batches, and however experienced your operators may be, these advanced automation features continually maintain the highest levels of inspection performance.

MYPRO ANALYZE—POWERFUL YIELD IMPROVEMENT

MYPro Analyze facilitates continuous yield improvement using real-time production data. The software utilizes advanced data mining algorithms to process inspection data and provides clear KPIs for monitoring production and optimizing First-Pass Yield.

The beauty of MYPro Analyze resides in its intuitive and extremely precise drill-down feature which enables quick root cause identifications of defects detected by your Mycronic inspection systems, 3D SPI and/or 3D AOI.

Key benefits:

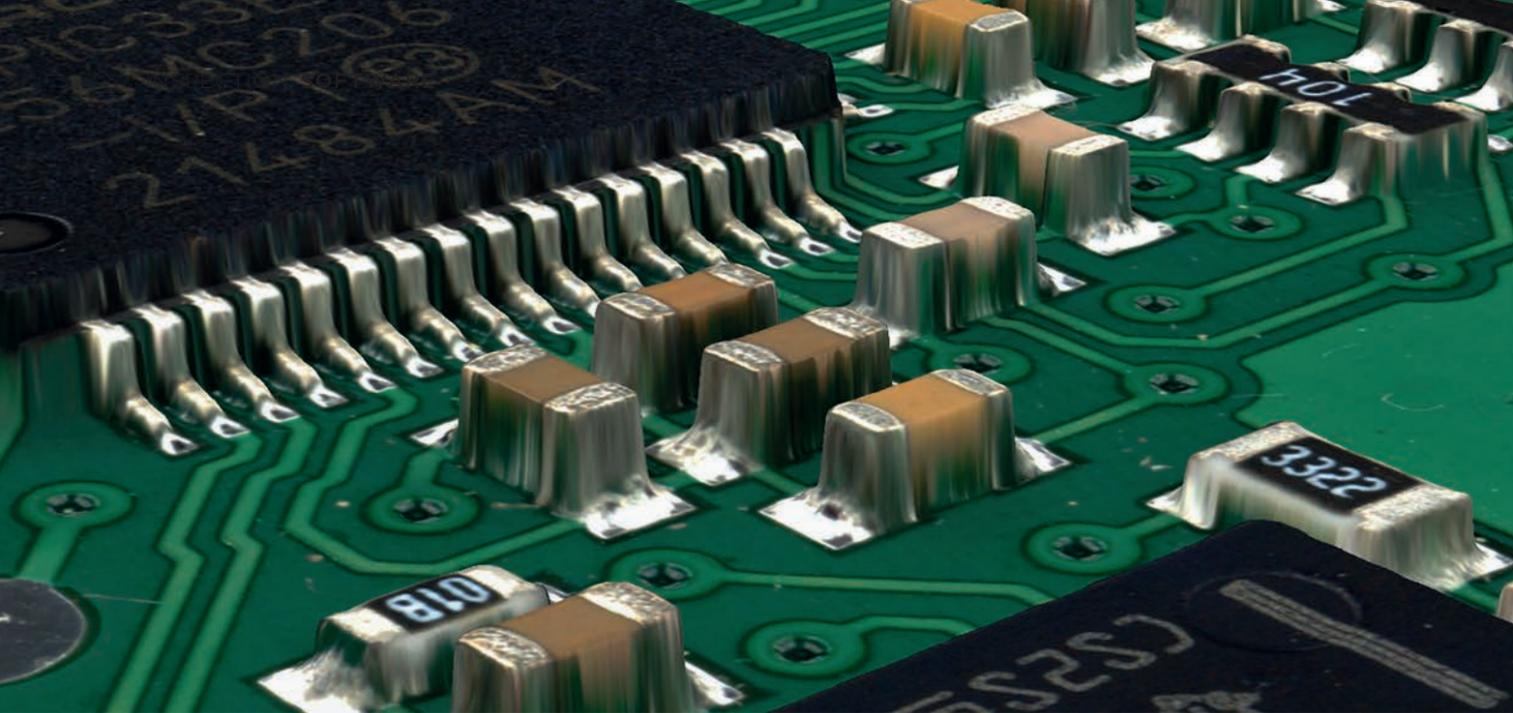
- View FPY, FTY and DPMO calculations.
- Classify and follow the most frequent defects by component type and production program.
- Monitor process capabilities including uptime and downtime trends. Generate daily, weekly or monthly quality reports to support 8D problem-solving and lean initiatives.

Technical requirements

- AOI: K-series (5K-7K-8K-9K) and MYPro I series platforms
- SPI: PI-Pico and PI-Primo
- All PI, Vision3D and MYWizard software versions

PART NO.	DESCRIPTION
521600	MYPro Analyze AOI 1st user
521661	MYPro Analyze AOI additional user
521599	MYPro Analyze SPI 1st user
521660	MYPro Analyze SPI additional user





DEEPREVIEW—THE FALSE CALL KILLER

Accelerate review times and eliminate the majority of false calls with DeepReview, our new AI-based automatic defect classification system for 3D AOI.

DeepReview makes it possible to apply full test coverage to any product mix without fear of false calls. Using dozens of neural networks, user can train a model in one click to analyze and classify future defects detected by AOI. The result is a consistent reduction in unnecessary false calls, with a corresponding reduction in review times.

Key benefits:

- **Fast:** Reduce review times by eliminating 50-100 percent of false calls for eligible components.
- **AI-powered:** Deep learning algorithm automatically classifies defects detected by 3D AOI.
- **Boost your FPY:** Automatically prevent escapes while massively reducing false calls.

The DeepReview AI server features:

- Maximum data security and no latency thanks to direct connection with edge AI computing server
- Powerful dual GPU card for training of neural network
- Full traceability with terabytes of data storage and RAID backup architecture

Technical requirements

Machine models:

- 5K3D, 9K3D
- MYPro I50, I90, I51, I91

Software versions:

- MYWizard CR3.1 or higher
- Vision3D CR8.3 or higher

PART NO.	DESCRIPTION
4083061	DeepReview yearly subscription
4083062	DeepReview yearly subscription—data sharing
4083589	AI server

FASTER PROGRAMMING WITH MYWIZARD AND ESCAPE TRACKER

The MYWizard interface streamlines the programming process, leveraging machine learning to swiftly identify components and correlate them with library models, resulting in a 30 percent reduction in programming time compared to Vision3D. MYWizard also includes new deep learning algorithms, such as the Polarity Check neural network that automates polarity mark identification and inspection.

Escape Tracker within MYWizard continuously checks and improves inspection accuracy, ensuring efficient program completion within a single interface. During library fine-tuning, Escape Tracker optimizes system performance by ensuring no new false calls or escapes are introduced, significantly reducing the need for operator review.

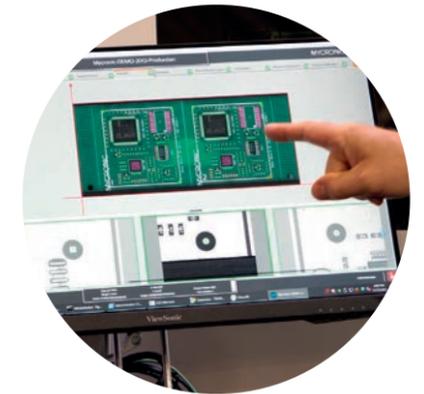
To help 3D AOI users to smoothly upgrade from Vision3D to MYWizard, Mycronic has developed MYWizard Convert. This tool makes it easier for Mycronic 3D AOI owners to migrate their assets without losing valuable inspection programs, data and expertise.

MYWizard Convert supports the conversion of the inspection library, programs (TST files) and 3D PCBI (panel scan) data, while preserving your accumulated expertise, ensuring that months or years of library fine-tunings are not lost.

Technical requirements

All 3D AOI machines can be upgraded, including:

- 5K3D, 7K3D, 8K3D, 9K3D
- MYPro I50, I90, I51, I81, I91
- 5K/7K/8K/9K machines upgraded to 3D (K3D or Iris)



PART NO.	DESCRIPTION
4064320	MYWizard upgrade 1st machine
4084815	MYWizard upgrade 1st machine—data sharing
4064321	MYWizard upgrade —additional machine
4064322	MYWizard upgrade —offline station

UPGRADE YOUR 3D AOI WITH IRIS VISION TECHNOLOGY

Accelerate inspection performance with Iris™. In the world of automotive and industrial electronics, the pace of change continues to accelerate. With smaller components. More advanced assemblies. And an unrelenting need for speed and precision. Upgrade your AOI to state-of-the-art vision technology.

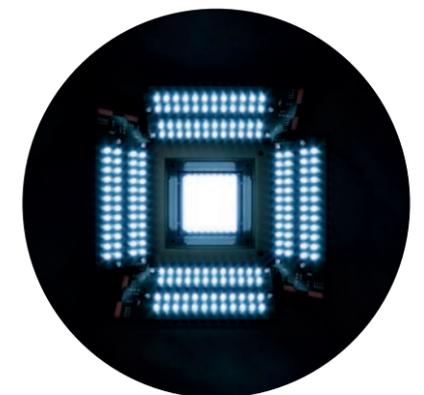
This is Iris technology

- Designed for the most demanding takt times, Iris inspection is up to 30 percent faster than K3D
- Sharper 2D and 3D image quality thanks to 13.7µm pixel size resulting in outstanding 3.45µm X/Y sub-pixel resolution
- Cutting-edge 3D laser sensor and updated telecentric optics with 33 percent larger field-of-view
- Wider test coverage for components as small as 008004/0201M
- Faster, more powerful image processing despite larger images

Technical requirements

All the following AOI machines can be upgraded:

- K series (5K*-7K-8K-9K) and MYPro I series platforms
- 2D Perform-Advantage-Premium-Spectro and 3D K3D heads
- Vision3D CR8 or MYWizard CR2 or later



PART NO.	DESCRIPTION
4063467	3D-only Iris upgrade on K3D
4063519	2D+3D Iris upgrade on K3D
4063531	2D+3D Iris upgrade on Spectro/Perform/Premium
4064785	3D-only Iris upgrade on Spectro—5/7/8/9K

Jet printing

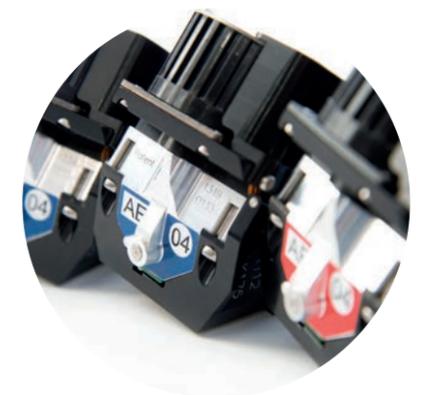
Ejectors and accessories

The jet printer is completely software driven, applying solder paste or any other assembly fluid onto any type of board with high speed and precision. QFNs, pin-in-paste, package-on-package, encapsulation or other applications that have yet to be invented – all of these techniques can be carried out with unmatched precision and flexibility.

EJECTORS

The ejector is the heart of the jet printing technology. Consult Mycronic support for selecting the correct ejector type for your application.

PART NO.	DESCRIPTION
L-038-0240	Ejector AG 01 for solder paste
L-038-0311	Ejector AG 04 for solder paste
L-038-0330	Ejector AM 01 for SMT adhesive
L-038-0331	Ejector AM 02 for SMT adhesive
L-038-0367	Ejector AQ 01 for solder paste
L-038-0368	Ejector AR 01 for solder paste fine pitch
L-038-0371	Ejector AR 02 for solder paste fine pitch
L-038-0374	Ejector AS 01 for solder paste



FILTER BOXES

The filter box is used to collect excess solder paste or adhesive during the jetting process. Consult Mycronic support for selecting the correct filter box type for your application.

PART NO.	DESCRIPTION
L-038-0343	Filter box black 10-pack
L-038-0344	Filter box red 10-pack
L-038-0373	Filter box blue 10-pack





LEVEL SENSOR

The solder paste holder unit can be equipped with an optional level sensor for the solder paste cartridge/syringe (which also requires a special magnet to be placed on the paste cartridge plunger). The sensor is a “low level sensor”, that is, it will not indicate the amount of media in the syringe, but warn only when the amount has reached a level when the syringe should be exchanged.

Technical requirements

- MY700 with SW JET2.3 or later
- Holder unit prepared for sensor

PART NO.	DESCRIPTION
4016270	Holder unit with raised motor and level sensor
4031524	Sensor kit for holder unit



CASSETTE STAND

The cassette stand offers a convenient way to store cassettes when they are not inserted in the jet printer. It has room for three cassettes (holder units), and can be used both on the factory floor, and inside a cold storage.

PART NO.	DESCRIPTION
L-030-0212	Cassette stand



PURGEL AND OTHER CONSUMABLES

Purgel should be used regularly to clean the ejector. Waste tubes and paper rolls are consumables needed for calibrating the ejector.



PART NO.	DESCRIPTION
L-038-0235	Interflux purgel
K-033-0051	Paper roll for cassette calib
K-033-0050	Waste tube for cassette calib

Stencil printing

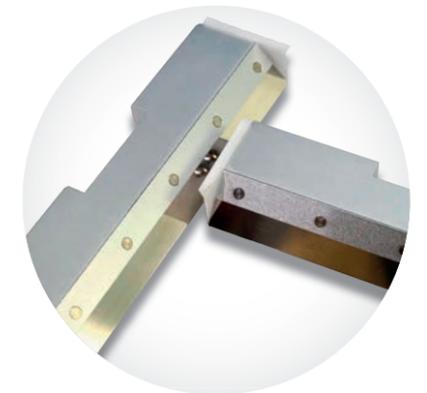
Accessories

The MYPro S series of stencil printers brings leading-edge accuracy, repeatability and speed to paste printing, making it easier and more cost-efficient than ever to scale up your production throughput. Mycronic offers a wide range of squeegees, cleaning solutions and PCB supports for any type of printing application.

STEEL SQUEEGEES

Steel squeegees offer high hardness, strong wear resistance, high dimensional accuracy, and good thickness uniformity.

PART NO.	DESCRIPTION
4089509	Squeegee 50mm x 60° x 0.25
4089508	Squeegee 100mm x 60° x 0.25
4089507	Squeegee 150mm x 60° x 0.25
4089504	Squeegee 200mm x 60° x 0.25
4089503	Squeegee 220mm x 60° x 0.25
4089502	Squeegee 300mm x 60° x 0.25
4078449	Squeegee 350mm x 60° x 0.25
4078434	Squeegee 400mm x 60° x 0.25
4077867	Squeegee 450mm x 60° x 0.25
4078450	Squeegee 460mm x 60° x 0.25
4078433	Squeegee 510mm x 60° x 0.25
4078455	Squeegee 550mm x 60° x 0.25
4077868	Squeegee 600mm x 60° x 0.25





RUBBER SQUEEGEES

Rubber squeegees offer excellent solder paste filling ability and uniform ink scraping effect, and they are easy to clean and maintain.

PART NO.	DESCRIPTION
4089525	Rubber squeegee 220mm x 60° x 0.25
4089524	Rubber squeegee 300mm x 60° x 0.25
4089522	Rubber squeegee 350mm x 60° x 0.25
4089521	Rubber squeegee 400mm x 60° x 0.25
4089520	Rubber squeegee 450mm x 60° x 0.25
4089519	Rubber squeegee 460mm x 60° x 0.25
4089518	Rubber squeegee 510mm x 60° x 0.25
4089517	Rubber squeegee 550mm x 60° x 0.25
4089516	Rubber squeegee 600mm x 60° x 0.25



ADJUSTABLE WIDTH SQUEEGEES

Due to the flexible adjustment of the squeegee width, there is no need to frequently change the squeegee during changeovers. Just adjust the appropriate printing width directly according to the board length, saving line changeover time and improving production efficiency.

PART NO.	DESCRIPTION
4089541	Adjustable width squeegee 220mm x 60° x 0.25
4089540	Adjustable width squeegee 300mm x 60° x 0.25
4089539	Adjustable width squeegee 350mm x 60° x 0.25
4089538	Adjustable width squeegee 400mm x 60° x 0.25
4089537	Adjustable width squeegee 450mm x 60° x 0.25
4089536	Adjustable width squeegee 460mm x 60° x 0.25



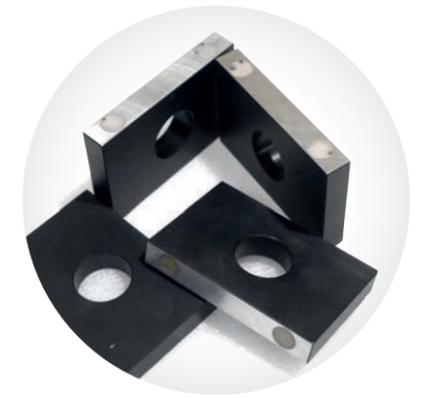
CLEANING PLATES

Cleaning plates work together with the cleaning paper to keep the stencil in good working condition. Generally, choose a length that is 10-50mm longer than the squeegee blade length used by the machine.

PART NO.	DESCRIPTION
4089434	Cleaning plate 180mm
4089433	Cleaning plate 200mm
4089266	Cleaning plate 280mm
4089262	Cleaning plate 300mm
4089258	Cleaning plate 450mm
4089255	Cleaning plate 510mm
4078457	Cleaning plate 610mm

PCB SUPPORT

Good PCB support is critical to ensure a high quality print.



PART NO.	DESCRIPTION
4077869	Standard support pin (∅18mm)
4077870	Narrow support pin (∅3mm)
4077875	Wide support block (400)
4077879	Vacuum support block (40 x 66)
4077878	Vacuum support block (69 x 66)
4077877	Vacuum support block (127 x 66)
4077876	Vacuum support block (243 x 66)
4077880	Vacuum support block (400 x 66)

CLEANING PAPER

Cleaning paper is used to wipe the stencil at regular intervals. Generally, choose a length that is 10-50mm longer than the squeegee blade length used by the machine.



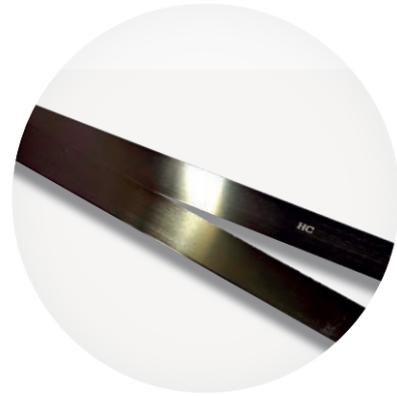
PART NO.	DESCRIPTION
4089440	Cleaning paper 100mm
4089439	Cleaning paper 180mm
4089438	Cleaning paper 250mm
4089437	Cleaning paper 260mm
4089436	Cleaning paper 300mm
4077866	Cleaning paper 380mm
4078451	Cleaning paper 460mm
4078452	Cleaning paper 510mm
4078456	Cleaning paper 610mm

CLEANING ROLLS

The cleaning roll serves as a support for the cleaning paper, keeping the cleaning paper in a certain shape and tension. This makes it easier for the cleaning paper to better adhere to the steel mesh or the printing machine tabletop and other parts during the cleaning process, thereby improving the cleaning effect. It also prevents wrinkles or deformations of the cleaning paper during use, which would affect the uniformity of cleaning.



PART NO.	DESCRIPTION
4089447	Cleaning roll 410mm
4089445	Cleaning roll 450mm
4089442	Cleaning roll 580mm
4089441	Cleaning roll 625mm



SQUEEGEE STEEL BLADES

Steel blades offer durability and strength, ensuring a consistent pressure during the printing operation. Regular inspection and replacement of the squeegee blade is necessary to maintain optimal printing performance.

PART NO.	DESCRIPTION
4089515	Squeegee blade 50mm x 60° x 0.25
4089514	Squeegee blade 100mm x 60° x 0.25
4089513	Squeegee blade 150mm x 60° x 0.25
4089512	Squeegee blade 200mm x 60° x 0.25
4089511	Squeegee blade 220mm x 60° x 0.25
4078442	Scraper squeegee 300mm x 60° x 0.25
4078443	Scraper squeegee 350mm x 60° x 0.25
4078444	Scraper squeegee 400mm x 60° x 0.25
4078445	Scraper squeegee 450mm x 60° x 0.25
4078446	Scraper squeegee 460mm x 60° x 0.25
4078447	Scraper squeegee 510mm x 60° x 0.25
4078453	Scraper squeegee 550mm x 60° x 0.25
4078454	Scraper squeegee 600mm x 60° x 0.25



RUBBER SQUEEGEE BLADES

The rubber squeegee blade provides flexibility and conformability. It can adapt well to the surface of the stencil and PCB, ensuring even distribution of inks and adhesives.

PART NO.	DESCRIPTION
4089535	Rubber squeegee blade 220mm x 60° x 0.25
4089534	Rubber squeegee blade 300mm x 60° x 0.25
4089533	Rubber squeegee blade 350mm x 60° x 0.25
4089532	Rubber squeegee blade 400mm x 60° x 0.25
4089531	Rubber squeegee blade 450mm x 60° x 0.25
4089529	Rubber squeegee blade 460mm x 60° x 0.25
4089528	Rubber squeegee blade 510mm x 60° x 0.25
4089527	Rubber squeegee blade 550mm x 60° x 0.25
4089526	Rubber squeegee blade 600mm x 60° x 0.25

CERAMIC SQUEEGEE BLADES

Ceramic materials are highly wear-resistant, and can withstand long-term use in the printing process without significant wear and tear. This ensures consistent printing quality over an extended period and reduces the frequency of blade replacement. Ceramic materials are resistant to chemical corrosion from solder paste and other substances used in the printing process. This prevents degradation of the blade and maintains its performance even in harsh environments.



PART NO.	DESCRIPTION
4089587	Ceramic squeegee blade 200mm x 0.25mm
4089586	Ceramic squeegee blade 300mm x 0.25mm
4089585	Ceramic squeegee blade 350mm x 0.25mm
4089584	Ceramic squeegee blade 400mm x 0.25mm
4089583	Ceramic squeegee blade 450mm x 0.25mm
4089582	Ceramic squeegee blade 460mm x 0.25mm
4089581	Ceramic squeegee blade 510mm x 0.25mm
4089580	Ceramic squeegee blade 550mm x 0.25mm
4089579	Ceramic squeegee blade 600mm x 0.25mm

Material handling Accessories

Offering the correct component in the right place and in a controlled atmosphere, ready for a quick and simple set-up in your SMT line, the Mycronic MYTower greatly enhances production efficiencies. This highly flexible and expandable buffer storage unit holds thousands of SMD reels, and can dispense any one you request in just a few seconds.

AGILIS SMARTBOXES

The Agilis Smartbox is designed for storage of multiple reels and reels on feeders, miscellaneous material such as loose bags of components, Jedec trays etc. Customers are capable of storing any type of material as long as it is defined with a unique ID. Store multiple unique IDs within the same Agilis Smartbox and enable full traceability of all material within Mycronic's material handling SW. Any material's unique ID is connected to the smartbox so that operators know which specific material is inside an Agilis Smartbox at any given time.

Technical requirements

- TPSys 4.1 or later

PART NO.	DESCRIPTION
4007366	Agilis Smartbox 24 mm
4007367	Agilis Smartbox 32 mm
4007368	Agilis Smartbox 44 mm
4049186	Agilis Smartbox 56 mm





CARRIER PALLETS

Speed up your changeovers with carrier pallets! Carrier pallets can be used to store reels together with their Agilis feeder inside the MYTower. Pallets can also be used for heavy or sagging carriers that need support to be stored reliably. Empty carrier pallets can be stored inside the tower.

Technical requirements

- Agilis Feeder SW option

PART NO.	DESCRIPTION
K-060-0198	Agilis Pallet 13" 5-pack
4000617	Agilis Pallet 15" 5-pack
4000618	Carrier pallet 15" 5-pack without rubber
L-060-0052	Upgrade kit Agilis Feeder SW



TRAY BOXES

Tray boxes can be used to store Jedec-sized trays inside the tower.

PART NO.	DESCRIPTION
4077530	Tray box 16 mm (1 tray)
4077526	Tray box 32 mm (3 trays)
4077529	Tray box 44 mm (5 trays)
4091317	Upgrade kit Agilis Feeder SW



Bringing tomorrow's electronics to life

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