

# Automated industrial dispensing for a rugged world

MYSmart™ series MYC60™ inline industrial dispensing system



A versatile,  
platform for  
high-volume  
dispensing  
of nearly any 1K  
or 2K material.

# Give your industrial assemblies **the protection they deserve**

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**It's a rough world out there for industrial electronics. Leading tier-one EMS facilities worldwide rely on Axxon Mycronic's MYC60 Industrial Dispenser for their toughest structural, thermal, sealing, bonding and gasketing needs.**



As an industry leader in precision jetting, dispensing and coating solutions, Axxon Mycronic has long been at the forefront of industrial automation in electronics protection. The MYC60 takes these capabilities to a new level, giving manufacturers a versatile, customizable platform for high-volume dispensing of nearly any 1K or 2K material.

Whether you're producing automotive assemblies, 5G infrastructure or aerospace electronics, the MYC60 offers an all-in-one solution to all your demands for 24/7 dispensing, pumping, metering and process control. From medium to high-volume production. Inline or batch configurations. Complete with a wide array of conveyor, trolley and robotic integration options. Whatever your application, the MYC60 offers the latest process controls together with the quality and flexibility Mycronic is known for.

## **BRING ON YOUR TOUGHEST CHALLENGES**

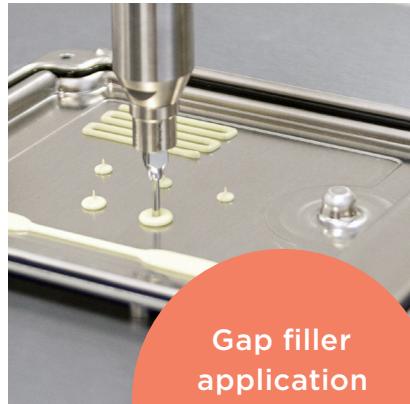
From thermal interface dispensing and bonding of THT components, to casting, potting, gasketing and sealing, the MYC60 can be custom-designed to meet your toughest industrial dispensing needs. Contact Axxon Mycronic today to discuss your requirements.



**Potting application**  
for automotive  
sensors

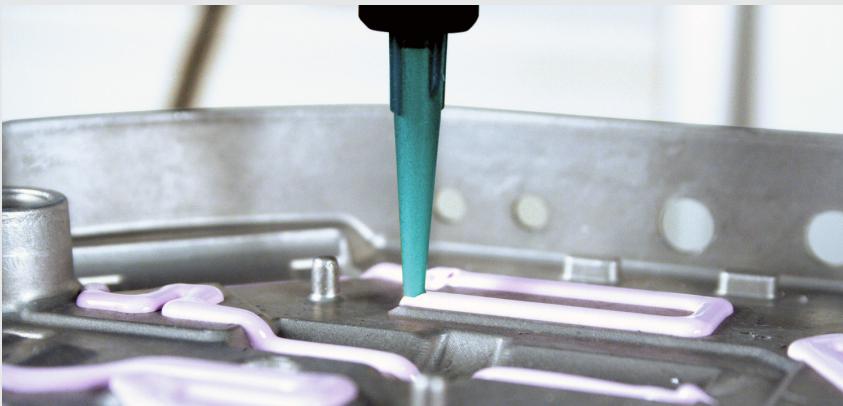


**Sealant application**  
to create water  
tight enclosures



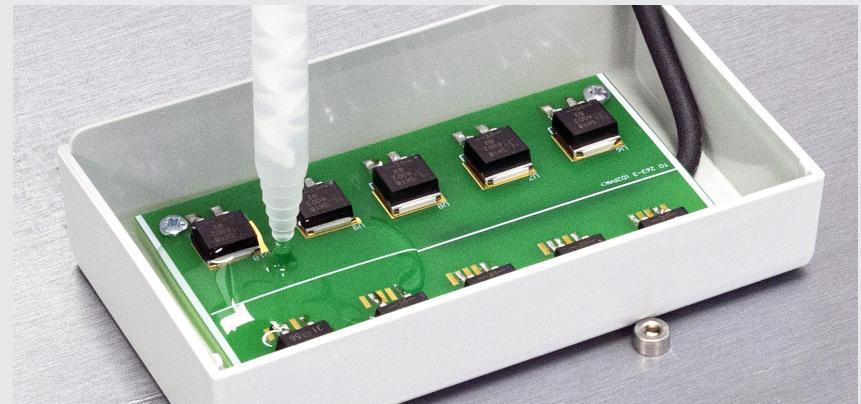
**Gap filler application**  
for heat  
management





#### Thermal interface materials (TIM)

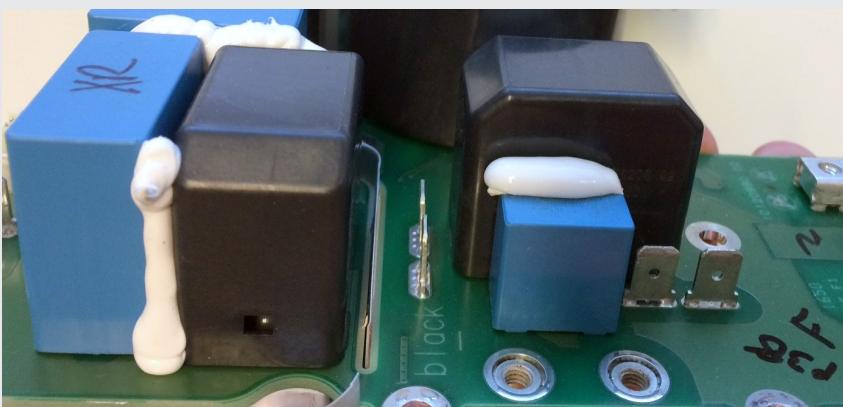
Take the heat off your assemblies with superior levels of vertical and horizontal control. The MYC60's advanced dispense and mixing technologies make it possible to apply nearly any thermal conductive material into nearly any gap with unmatched speed and precision.



#### Casting and potting

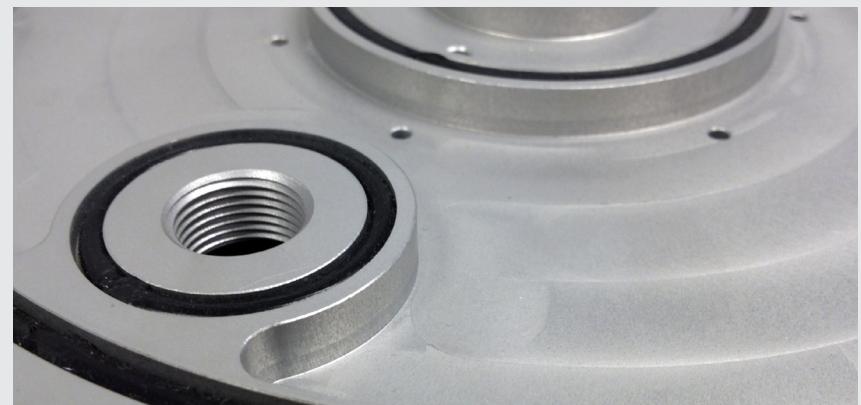
Seal your electronics from heat, moisture and vibration, or protect them from prying eyes.

From batteries to sensors to proprietary products, there's no limit to what you can cast and encapsulate.



#### Bonding

Are your THT components vulnerable to shocks and vibrations? Now you can bond even the most complex geometries with a wide range of 1K and 2K materials.



#### Sealing and gasketing

Seal virtually any shape with better consistency and less effort. Whatever your pattern or line width, the MYC60 is there to fill the gaps.

# Specifications **MYC60 inline**

<b>MOTION SYSTEM</b>	
Z-axis repeatability	±25um@3σ
X-Y repeatability	±25um@3 σ
Z-axis positioning accuracy	±30um@ 3σ
XY-axis positioning accuracy	±50um@3σ
X-Y acceleration	0.8 g peak
X-Y velocity	800 mm/s peak
Z travel	120mm. actual Z travel depends on valve and fluid reservoir configuration
Drive system	AC servo motor with precise ball screw
<b>DISPENSING AREA</b>	
MYC60	1-part pumps: 650x500x120mm(XxYxZ) 2-part pumps (V): 450x400x120mm(XxYxZ)
MYC60 PRO	1-part pumps: 1,000x600x220mm(XxYxZ) 2-part pumps (V): 700x600x220mm(XxYxZ)
<b>BOARD HANDLING</b>	
Max. board/carrier length	One station: 1,000 mm
Min. board/carrier length	50 mm
Max. board/carrier width	500 mm
Min. board/carrier width	200 mm
Max. board/carrier thickness	Optional for customization
Min. board/carrier thickness	2 mm
Max. top clearance	230 mm
Max. bottom clearance	130 mm
Clamping board edge width	55mm ± 1.5 mm (adjustable)
Number of station	ONE
Number of conveyor	Single Lane
Transport height	Conforms to SMEMA standard for conveyor height; height adjustable from 891-965 mm (35.1 - 38.0 in.) from floor to bottom of the part
Load capacity	30kg with standard conveyor
Operation modes	Automatic (SMEMA), manual, pass-through
Standard belt type	Roller chain type
<b>FACILITIES REQUIREMENTS</b>	
System footprint MYC60 (WxDxH)	1,831x1,310x1,880mm
Air supply	80 psi (5.5 bar)
Air flow rate	6L/min
Power	AC220V, 2.5kW, 16A,50/60 Hz
Ventilation	Optional
System weight	1,020 Kg
Standards compliance	SMEMA; CE ; RoHS&REACH
<b>CONTROL SYSTEM</b>	
Type	PC with monitor and keyboard
Operating system	Windows 10
Software	MYSmart Dispenser Software
<b>VISION AND LIGHTING</b>	
Camera resolution	1.3M pixels
Field of view	14.0 x 11.0 mm
Lighting	Ring Light or Red/Green/White LEDs
<b>STANDARD FEATURES</b>	
Needle calibration module	Light beacon with audible alarm
Clamping wipe cleaning module	Low air pressure sensor for main incoming
Conveyor edge clamping system	Manual adjust fluid and valve pressure
<b>OPTIONAL FEATURES</b>	
Laser height sensor	Barcode scanner
Electronic weight scale	Hand held barcode reader
Needle calibration module	Low fluid sensor ( capacitive)
Nozzle calibration module	Heavy loading unloading conveyor

# Bringing tomorrow's electronics to life

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