

UR and MiR showcase AI Automation Solutions at Automate 2025

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Joint showcase from Teradyne Robotics companies will feature comprehensive automation solutions across automotive, electronics manufacturing, and logistics zones, highlighting the power of collaborative and mobile robotics.

Novi, Michigan, April 23, 2025 [Universal Robots](#) (UR) and [Mobile Industrial Robots](#) (MiR) will demonstrate their joint commitment to empowering customers with increased productivity through a diverse range of automation applications, commanding the largest exhibition area at Automate 2025 at joint booths [#4023](#) and [#3623](#) from May 12-15 in Detroit.

"Our combined presence is a powerful demonstration of how Teradyne Robotics addresses the complete spectrum of automation needs across diverse industries," says Ujjwal Kumar, Group President of [Teradyne Robotics](#). "The applications on display across automotive, electronics and logistics emphasize our holistic approach to automation that empowers businesses to optimize their entire workflow, from component handling to final palletization," says Kumar, who will deliver the Automate keynote "Tech Hype vs Industrial Need: Separating Science Fiction from Scalable Solutions" at 9:00am on Thursday, May 15.



Explosion-proof painting in Automotive zone

The Automotive zone will include a production flow, utilizing the same type of automotive workpiece across various applications. AI Automation will demonstrate painting with a new explosion-proof (ATEX certified) UR cobot; Mission Design will present dispensing applications; and 3D Infotech will feature a quality inspection process using a UR cobot and the new [UR AI Accelerator](#) toolkit to examine the part assembled by Mission Design, highlighting enhanced perception capabilities. Finally, Robotiq will demonstrate palletizing of the packaged workpiece.



New OptiMove feature debuts in Electronics Manufacturing zone

The Electronics zone will feature Adaptive Robotics, performing cobot-assisted soldering of electronic components, alongside a hands-on demonstration of UR's new [OptiMove](#) motion control algorithm that dynamically optimizes speed and acceleration within hardware limits, resulting in smoother cobot movements, reduced vibrations, and improved cycle times.

The AI Accelerator, UR's new toolkit developed in close collaboration with NVIDIA, will also be hard at work in the Electronics zone, incorporated into Flexxbotics' machine tending solution to provide improved part localization, and in Acumino's innovative cobot training demo executing complex assembly of electronic components.



The real power of the AI Accelerator

"Automate 2025 attendees will see the real power of our AI Accelerator," says Anders Billesø Beck, VP of Technology at Universal Robots. "For developers, this toolkit provides a ready-to-use hardware and software platform that significantly decreases deployment time and de-risks the development of AI-based applications. For end users, getting access to these AI Accelerator-based solutions means easier programming, lower computation times, and the ability to automate previously challenging or impossible tasks."



Material Handling & Logistics Zone shows end-to-end solutions

The Material Handling & Logistics Zone will underscore the combined strengths of UR and MiR to deliver fully integrated autonomous intralogistics solutions that are now powered by AI technology leveraging NVIDIA's accelerated computing libraries:

MiR's autonomous Pallet Jack – the MiR1200 - will demonstrate the movement of pallets within warehouses and production facilities with AI-driven perception systems for robust pallet recognition, even if pallets are broken or imperfectly loaded. The Pallet Jack will work with the [MC600](#), a new mobile cobot that features a UR20 cobot mounted on a MiR600 AMR for increased payload and reach. This integrated MC600 solution, which just [won an RBR50 award](#), will palletize and de-palletize the MiR1200.



UR 和 MiR 在 Automate 2025 展示 AI 自動化解決方案

Universal Robots 和 Mobile Industrial Robots 在 Automate 2025 展會首次亮相基於 AI 的自動化解決方案，涵蓋整合行業工作流程

來自 Teradyne Robotics 的聯合展示將展示在汽車、電子製造和物流領域的全面自動化解決方案，突顯協作型機器人和移動機器人的強大力量。

密歇根州諾維市，2025 年 4 月 23 日 — Universal Robots (UR) 和 Mobile Industrial Robots (MiR) 將在 2025 年 5 月 12 至 15 日於底特律舉行的 Automate 2025 展會上，展示他們對提高客戶生產力的共同承諾，並在 #4023 和 #3623 的聯合展位上展示一系列多樣化的自動化應用，佔據展會最大展示區域。

Teradyne Robotics 集團總裁 Ujjwal Kumar 表示：「我們的聯合展示充分展示了 Teradyne Robotics 如何滿足來自各行各業的自動化需求。」他補充道：「在汽車、電子和物流領域的應用展示強調了我們對自動化的全面方法，幫助企業優化整體工作流程，從組件處理到最終托盤化。」

Kumar 先生還將於 5 月 15 日星期四上午 9:00 發表 Automate 會議主題演講，題為「科技炒作與工業需求：分辨科幻與可擴展解決方案」。

汽車區：展示新型防爆塗裝與品質檢查

汽車區將展示一條生產流程，使用相同類型的汽車工件進行各種應用。AI 自動化將展示使用全新防爆（ATEX 認證）UR 協作型機器人進行塗裝；Mission Design 將展示點膠應用；3D Infotech 將展示使用 UR 協作型機器人和全新的 UR AI 加速工具包進行的品質檢查，檢測 Mission Design 組裝的零件，突顯其增強的感知能力。最後，Robotiq 將展示包裝後工件的托盤化。

電子製造區：全新 OptiMove 功能首度亮相

電子製造區將展示 Adaptive Robotics 使用協作型機器人輔助電子元件焊接，並進行 UR 新型 OptiMove 動作控制算法的現場演示，該算法能動態優化硬體範圍內的速度和加速度，實現更平滑的協作機器人運動、減少振動並改善週期時間。

UR 與 NVIDIA 密切合作開發的全新工具包 AI 加速器，將在電子製造區充分發揮作用，並集成於 Flexxbotics 的機器操作解決方案中，以提高零件定位精度，並在 Acumino 的創新協作型機器人訓練演示中，執行電子元件的複雜組裝。

AI 加速器的實際力量

Universal Robots 技術副總裁 Anders Billesø Beck 表示：「Automate 2025 的與會者將真切體驗我們 AI 加速器的強大功能。對開發人員來說，這一工具包提供了一個即用的硬體和軟體平台，能顯著縮短部署時間，並降低開發基於 AI 的應用風險。對終端用戶來說，這些基於 AI 加速器的解決方案將簡化編程、縮短運算時間，並能實現以往無法或極具挑戰性的任務自動化。」

物料處理與物流區：展示端到端解決方案

物料處理與物流區將強調 UR 和 MiR 的綜合優勢，展示由 AI 技術驅動的全自動內部物流解決方案，並利用 NVIDIA 加速計算庫：

MiR 的自主托盤搬運機器人 MiR1200，將展示如何在倉庫和生產設施中移動托盤，並通過 AI 驅動的感知系統實現堅固的托盤識別，即便托盤損壞或裝載不完美。這款托盤搬運機器人將與 MC600 配合運行，MC600 是一款新型移動協作型機器人，搭載 UR20 協作型機器人，並安裝於 MiR600 自主移動機器人上，具備更高的負載和更長的工作範圍。這一集成解決方案——MC600，剛獲得 RBR50 獎項，將展示如何進行托盤化和去托盤化操作。