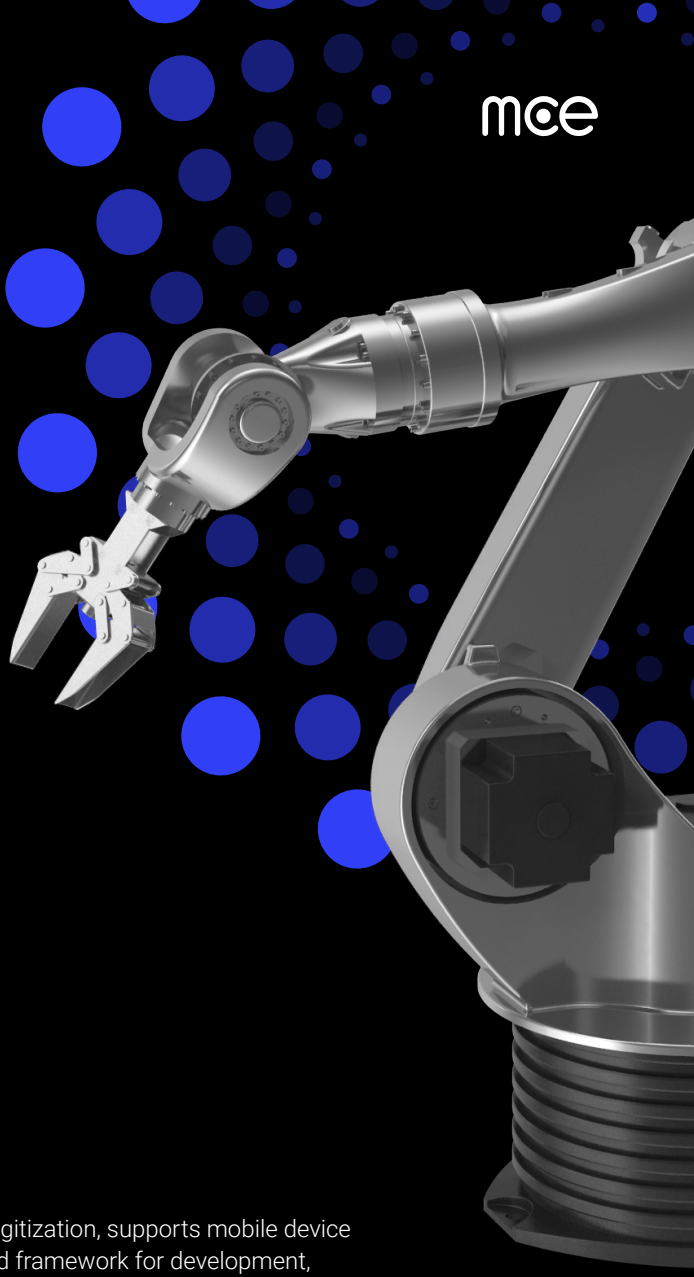
Robotics for mobile device processing just became more accessible.



The entry barrier for mobile device processing robotics is high, requiring a costly investment that ranges between a few thousand dollars per unit to $100,000 or more. Rather than commit to a full suite of costly robotics solutions up front to drive automation in device processing, organizations can start with a much simpler entry point – a software stack.

Starting with a software stack lowers the entry barrier by affording organizations much greater flexibility in their pursuit of automation, providing an option to start with digital automation and then seamlessly expand into robotics and scale up as needed. It even enables software engineers to build custom robotics sets with off-the-shelf parts and far less engineering effort required.

Paving the Path to Mobile Device Processing Automation with dDLM and AI.

MCE's dDLM platform, specializing in mobile device lifecycle management digitization, supports mobile device processing automation by serving as a software stack to provide a structured framework for development, management and execution of robotics automation. Backed by extensive training on comprehensive mobile device data, MCE's software stack solution allows organizations to leverage AI to engineer their automation structure, requiring less know-how from engineers. Combined, the dDLM and AI solution opens accessibility to robotics for mobile device processing and affords organizations exploring greater automation the following benefits:

Increase Accessibility and Reduced Learning Curve

Leverage existing software engineer expertise to build a custom robotics solution with basic components without needing deep robotics expertise. Platforms like robotics operating systems (ROS) and Robot Framework offer sufficient documentation and community support that allows your engineers to quickly deliver prototypes and put automation into production with AI assisting in engineering automation.

More Seamless Integration and Greater Compatibility

Use MCE's software-driven approach to integrate automation smoothly into digital ecosystems, such as connecting with AI and process management tools, and deploy relatively quickly regardless of hardware configurations and without frequent, complex re-engineering required as device configurations evolve.

More Flexibility and Modular Customization

Modularity of MCE's software stacks allows you to customize robotics to fit your business needs. Using frameworks like ROS enables seamless integration of different automation components. MCE software stack also provides custom development capabilities, minimizing the need to work with rigid, pre-built automation solutions.

Enhanced Cost-Effectiveness

Reduce robotics implementation costs with a software approach. This minimizes upfront hardware expenses and focus instead on computational power and adaptable robotic component and maintain flexibility to scale up as device processing needs grow without requiring a costly, comprehensive robotics infrastructure.