

eXprocut

Elevate your shipbuilding operations with eXprocut, the ultimate postprocessor designed to integrate seamlessly with Siemens NX. Purpose-built for the shipbuilding industry, eXprocut bridges the gap between design and robotic profile cutting, delivering unmatched precision, efficiency, and adaptability for large-scale marine projects. Advanced Robotic Profile Cutting Postprocessor with seamless Siemens NX Integration

Optimized for Shipbuilding Excellence

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Unmatched Integration with Siemens NX

1. Direct Workflow from NX to Robots

eXprocut is engineered to work natively with Siemens NX, providing a streamlined workflow from design to production.

Seamless Transition: Convert Siemens NX parametric standards directly into robot standards, eliminating intermediate steps.

Integrated Interface: Access eXprocut settings directly within NX, reducing the learning curve for operators.

Data Fidelity: Maintain the integrity of your 3D models and tool path data throughout the process.



2. Comprehensive Geometry Support

Shipbuilding designs often involve complex geometries and large-scale profiles. eXprocut's NX integration supports:

Curved profiles: Generate precise robotic instructions for any kind of profile.

Parametric Designs: Adapt to changes in NX models instantly, ensuring flexibility during design iterations.

3. Advanced CAM Functionality in NX

eXprocut enhances the CAM capabilities of Siemens NX:

Macro-Ready Outputs: Generate robot-specific macros directly from NX.

4. Material-Specific Strategies via NX

Leverage Siemens NX's material libraries to fine-tune eXprocut outputs. Optimize parameters directly in NX for maximum cutting efficiency. Ensure consistency across varied shipbuilding materials and components.

Key Features for Shipbuilding

1. Macro-Enabled Robotics

eXprocut leverages macro technology to empower robotic arms: Generate robotic instructions tailored to macro-enabled robotic systems. Automate repetitive tasks and enhance efficiency in high-volume production. Adapt easily to multi-robot setups for synchronized operations.

2. Efficient Nesting and Material Optimization (under development)

Utilize eXprocut's nesting capabilities via NX integration: Optimize material layouts for raw bars. Reduce waste and costs by aligning cutting paths with shipyard standards. Maximize material utilization for steel, aluminum, and other materials.

Why Choose eXprocut for Shipbuilding?

1. Deep Siemens NX Integration

No other postprocessor offers the level of native integration with Siemens NX that eXprocut does. It allows shipbuilders to directly translate NX designs into robotic execution with minimal effort, ensuring consistency and precision throughout the workflow.

2. Designed for the Shipyard Environment

From large-scale components to intricate profiles, eXprocut is built to handle the unique demands of shipbuilding. Its flexibility supports various ship types, including cargo ships, tankers, luxury yachts, and naval vessels.

3. Future-Proof Robotics Technology

eXprocut's robotics-first design ensures your shipyard is ready for the next wave of manufacturing automation. With full macro support, it's equipped for even the most complex cutting tasks.

4. Cost and Time Efficiency

eXprocut reduces programming time, minimizes errors, and optimizes material use, saving time and resources across production cycles.

Technical Specifications

Software Compatibility: Siemens NX (version 2306 or later).

Supported Robotics Systems: virtually any macro enabled robot

Take your shipyard operations to new heights with eXprocut, the only robotic profile cutting postprocessor you'll need for Siemens NX. Whether you're working on commercial vessels, luxury yachts, or naval ships, eXprocut ensures precise, efficient, and cost-effective production.

