



NOVAMove Porter

Your Trusted Autonomous Assistant for Safe and Efficient On-Site Material Transport



Healthcare & Laboratories



Pharmaceuticals & Research



Food, Cosmetics & Environmental Testing

 **NOVATICLAB**
Empowering labs of tomorrow

Key Features and Benefits



1* Modular and Secure Storage

- Features automated electric drawers with customizable configurations and advanced security options including RFID/NFC, fingerprint recognition, and PIN code access, ensuring materials are transported safely and accessed only by authorized personnel.

2* Intuitive and User-Friendly Interface

- Designed for ease of use, its intuitive interface facilitates quick adoption by all staff members, streamlining operations without the need for extensive training.

3* Advanced Smart Navigation

- Employs a sophisticated suite of sensors, including Lidar, Ultrasound, and 3D vision, to navigate complex environments safely and efficiently, avoiding obstacles and ensuring smooth delivery.

4* Operational Efficiency

- Automates routine transport tasks, significantly reducing non-productive staff hours and walking distances by up to 90%, allowing personnel to focus on core activities and improving overall workflow.

5* Enhanced Workplace Safety

- Reduces physical strain on staff by minimizing the need for manual transport, leading to a safer work environment and increased employee satisfaction.

6* Compliance with Safety Standards

- Engineered to meet high safety standards, providing peace of mind in sensitive environments through secure transport of materials and adherence to regulatory requirements.

7* Cost-Effective Solution

- By automating transport tasks, the NOVAMove Porter offers a smart investment that reduces labor costs and increases efficiency, proving to be a cost-effective solution for material transport needs across various industries.



Technical Specifications

Technical

- Minimum Passage Width: **800mm**
- Payload per drawer: **30kg**
- Battery Life: up to **15 hours**
- Charging Time: 10% to 90% in 70 minutes
- Maximum Incline/Decline: $\pm 5\%$ at 0.5 m/s

Navigation and Safety

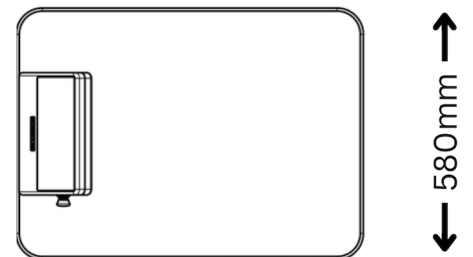
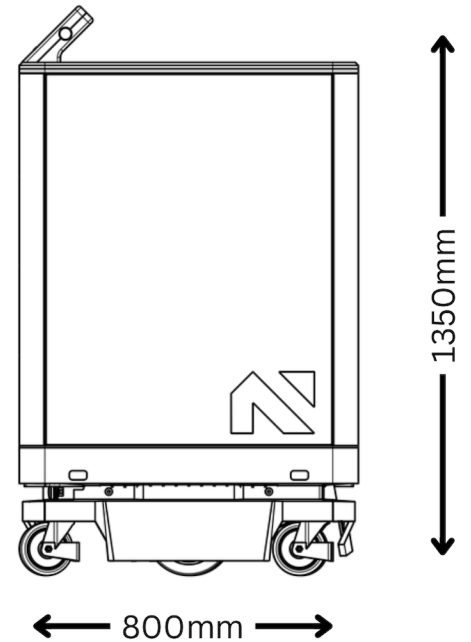
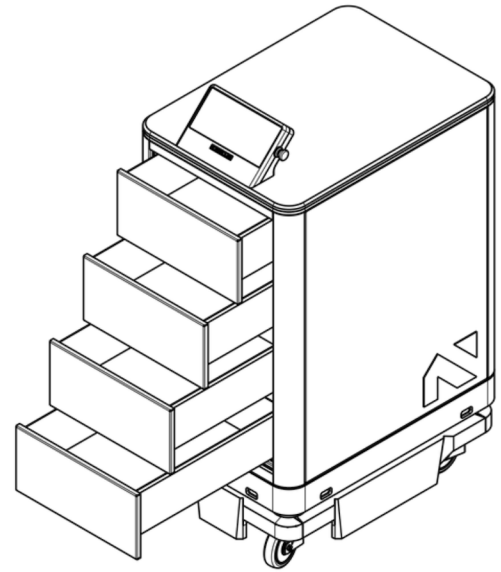
- **Advanced Sensors:** Features Lidar and 3D vision for obstacle detection and navigation.
- **Safety Mechanisms:** Anti-pinch sensors in drawers prevent injuries, enhancing user safety.
- **Visibility and Alerts:** Equipped with safety lights and auditory signals for increased awareness.
- **Security Features:** Includes RFID/NFC, fingerprint, and PIN access for secure content management.
- **Data Protection:** Employs encrypted communication to safeguard information.
- **Emergency Stops:** Accessible stop buttons ensure immediate halting if needed.
- **Adaptable to Environments:** Operates reliably across varied conditions.

Communication and Integration

- **Standard Integration:** Compatible with SiLA 2 and OPC-UA for seamless process management connections.
- **IoT Communication:** Supports MQTT for real-time IoT device integration.
- **Wireless Options:** Provides Wi-Fi and Bluetooth for flexible remote interactions.
- **Data Security:** Ensures encrypted transmissions for secure data handling.
- **Extended Connectivity:** Offers LTE/4G options for reliable operation in areas with poor Wi-Fi coverage.

Additional Features

- **Customizable:** Flexible drawer setups and options for barcode, RFID/NFC enhancements.
- **Environmentally Robust:** Functions in wide temperature ranges and conditions.
- **Durable Design:** High-quality construction for longevity in tough settings.
- **Certified Safe:** Complies with strict safety and quality standards.



Proven Impact (Case Study)

Thanks to the deployment in Jan 2022 of just three NOVAMove Porters, our end customers have seen transformative results in operational efficiency and productivity:

- *Distance Covered:* **10,950 kilometers**, showcasing the robots' durability and continuous operation capabilities.
- *Floors Traversed:* **23,360 floors**, indicating the system's ability to navigate complex multi-level environments.
- *Samples Moved:* A staggering **4.74 million samples transported**, highlighting the robots' crucial role in streamlining laboratory processes.
- *Hours Saved:* An impressive **11,950 hours** of labor saved, allowing staff to reallocate time to more critical, value-added tasks.

These achievements underscore the NOVAMove Porter's significant contribution to enhancing productivity and operational efficiency with just a small fleet, illustrating its potential to revolutionize logistics and transport tasks in various settings.

Learn More

Transform your facility's efficiency and safety today with the NOVAMove Porter. Contact us to find out how our smart, customizable solutions can revolutionize your material transport needs. Don't wait to innovate – the future of autonomous logistics is here.

