

NORTH LINE

COMMERCIAL & INDUSTRIAL ROBOTICS

Ten purpose-built robots for cleaning, hospitality, logistics and material movement.

AVAILABLE TO ORDER



ASA LUMA
ASRQ-CL410



ASA VERA
ASRQ-CL610



ASA MAGNA
ASRQ-CL810



ASA SIRO
ASRQ-SW910



ASA WREN
ASRQ-MN440



ASA PICO
ASRQ-DL220



ASA MESA
ASRQ-DL420



ASA CAVA
ASRQ-HT430



ASA NAVI
ASRQ-TR330



ASA ORDO
ASRQ-TR630

10 CUSTOMER PORTFOLIO MODELS

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A defined job. A deployment planned around your site.

NORTH LINE brings together specialist robots for facilities, hospitality, logistics and inspection. Each model is available to order with a configuration selected for the facility, operating duty and service plan.

HELM | ON-ROBOT

Maps, schedules, safe return, checkpoint resume and local operation. Core functions are designed to remain available during an extended WAN outage.

HARBOR | FLEET VIEW

Optional multi-site dashboard for operational status, snapshots, alerts and maintenance visibility.

CROWN | ENTERPRISE

Optional SSO, named integrations, regional hosting and contracted availability objectives, subject to configuration and agreement.

PRIVACY & SAFETY

Continuous video is off by default. No face recognition in the shared software policy. Emergency stops, braking and protective stops remain local to the robot.

ORDERING & SITE CONFIGURATION

Models are available to order. The written quotation confirms the selected configuration, site compatibility, software modules, integrations, delivery scope, warranty and applicable compliance documents. Cleaning output and runtime depend on floor condition, route, duty cycle, payload and site conditions.

Product images are product renders. Final appearance and included accessories are confirmed with the quoted configuration.

ASA LUMA

ASRQ-CL410**COMPACT COMMERCIAL SCRUBBER**

Autonomous floor care for retail, clinics and offices where compact access and repeatable results matter.



PRODUCT RENDER | CONFIGURATION AS QUOTED

KEY CAPABILITIES

- Wet scrub with dry side sweep
- Side-shift deck for close-edge cleaning
- Rear result camera with residual-water checks
- Automatic return, checkpoint resume and manual dead-man handle

BEST FIT

BUSINESSES Retail, clinics, offices, contract-cleaning teams.

LOCATIONS Shop floors, reception areas, corridors and sealed hard-floor rooms.

SPECIFICATIONS

Envelope	600 x 520 x 680 mm
Passage / turning	680 mm / <=950 mm
Wet / dry width	420 / 500 mm
Tanks	15 L clean / 15 L recovery / 1.5 L debris
Active runtime	>=6.0 h normal scrub
Shift output	650-800 accepted m2 / 8 elapsed h
Battery	25.6 V / 100 Ah / 2.56 kWh
Charge	<=90 min standard; <=50 min optional fast
Protection / noise	IPX4 / <=65 dB(A)

APPLICATION BOUNDARY

Indoor sealed hard floors. No carpet washing, snow operation or sterilisation.

ASA VERA

ASRQ-CL610**CORE COMMERCIAL SCRUBBER**

A full-size autonomous scrubber for malls, schools and contract-cleaning operations.



PRODUCT RENDER | CONFIGURATION AS QUOTED

KEY CAPABILITIES

- Automatic fill, drain and rinse station
- Metered detergent and adaptive cleaning recipes
- Rear result camera and residual-water monitoring
- Pendant crawl mode for blocked furniture

BEST FIT

BUSINESSES Malls, schools, facilities teams and contract cleaners.

LOCATIONS Large indoor corridors, lobbies and connected hard-floor zones.

SPECIFICATIONS

Envelope	<=1,020 x 660 x 1,080 mm
Passage / turning	750 mm / <=1,350 mm
Wet / dry width	560 / 620 mm
Tanks	55 L clean / 60 L recovery / 4 L debris
Active runtime	>=8.0 h normal scrub
Shift output	>=1,500 accepted m2 / 8 elapsed h
Battery	51.2 V / 125 Ah / 6.4 kWh
Charge	<=130 min standard; <=60 min optional fast
Protection / noise	IPX4 / <=65 dB(A)

APPLICATION BOUNDARY

Indoor hard floors. Elevator operation requires a named site kit.

ASA MAGNA

ASRQ-CL810

HIGH-CAPACITY SCRUBBER

Wide-path autonomous scrubbing for concourses and large facilities with long cleaning routes.



PRODUCT RENDER | CONFIGURATION AS QUOTED

KEY CAPABILITIES

- High-capacity clean and recovery tanks
- Side-shift deck and close-edge squeegee
- Water station and result-camera stack
- Site-specific floor-load and route survey

BEST FIT

BUSINESSES Airports, convention venues, large malls and campus facilities.

LOCATIONS Wide indoor concourses and long routes; verify floor loading and turning.

SPECIFICATIONS

Envelope	$\leq 1,280 \times 840 \times 1,180$ mm
Passage / turning	950 mm / $\leq 1,650$ mm
Wet / dry width	760 / 820 mm
Tanks	90 L clean / 100 L recovery / 8 L debris
Active runtime	≥ 10 h normal scrub
Shift output	$\geq 2,400$ accepted m ² / 8 elapsed h
Battery	51.2 V / 200 Ah / 10.24 kWh
Charge	≤ 110 min standard; ≤ 60 min optional fast
Protection / noise	IPX4 / ≤ 68 dB(A)

APPLICATION BOUNDARY

Indoor use only. Installation requires a floor-load and route survey at maximum operating mass.

ASA SIRO

ASRQ-SW910**INDUSTRIAL DRY SWEEPER**

Autonomous collection of dry, non-hazardous debris across demanding indoor routes.



PRODUCT RENDER | CONFIGURATION AS QUOTED

KEY CAPABILITIES

- Negative-pressure dust path with H13 element
- Filter pressure and leak monitoring
- Oversize-object and cable response logic
- Rain detection and return-to-shelter behaviour

BEST FIT

BUSINESSES Warehouses, manufacturing and distribution operations.

LOCATIONS Dry indoor traffic lanes, staging zones and covered service areas.

SPECIFICATIONS

Envelope	<=1,120 x 1,020 x 1,050 mm
Passage / turning	1,080 mm / <=1,620 mm
Main / swept width	960 mm / up to 1,020 mm
Debris bin / payload	100 L / 80 kg
Active runtime	>=8 h at 50% debris rating
Shift output	>=2,800 accepted m2 / 8 elapsed h
Battery	51.2 V / 125 Ah / 6.4 kWh
Charge	<=130 min standard; <=60 min optional fast
Protection / noise	IP55 / <=70 dB(A)

APPLICATION BOUNDARY

Dry, non-hazardous debris only. Not designed for snow or explosive dust.

ASA WREN

ASRQ-MN440**OPERATOR-GUIDED SCRUBBER**

A compact walk-behind scrubber for washrooms, detailed work and spaces requiring direct operator control.



PRODUCT RENDER | CONFIGURATION AS QUOTED

KEY CAPABILITIES

- Dead-man control and full-tank shutoff
- Two-pack North American shift kit
- Fast brush, squeegee and battery service
- Bluetooth hour and cycle upload to Harbor

BEST FIT

BUSINESSES Hotels, care facilities, offices and washroom service teams.

LOCATIONS Washrooms, small rooms, tight corners and spot-cleaning zones.

SPECIFICATIONS

Envelope	<=590 x 490 x 1,180 mm, handle up
Passage	600 mm plus operator
Wet / squeegee width	450 / 490 mm
Tanks	8 L clean / 8 L recovery
Runtime	>=150 min normal; >=180 min economy
Shift output	400-600 accepted m2 / 8 elapsed h
Battery	25.6 V / 45 Ah / 1.152 kWh
Charge	<=50 min, 10-80%
Protection / noise	IPX4 / <=68 dB(A)

APPLICATION BOUNDARY

Operator must remain present. No autonomous driving or mapping mode.

ASA PICO

ASRQ-DL220**NARROW-AISLE TRAY RUNNER**

A slim three-tray runner for tight hospitality, care and back-of-house routes.



PRODUCT RENDER | CONFIGURATION AS QUOTED

KEY CAPABILITIES

- Three occupancy- and weight-monitored trays
- Run, call-to-table and empty-ware modes
- EN/FR 8-inch interface with tray lights
- People-near speed management

BEST FIT

BUSINESSES Hotels, restaurants, senior living and healthcare support.

LOCATIONS Narrow corridors, kitchen-to-dining routes and back-of-house aisles.

SPECIFICATIONS

Envelope	<=500 x 390 x 1,140 mm
Passage / turning	460 mm / <=780 mm
Payload	30 kg total; <=10 kg per tray
Tray size	3 trays, each >=340 x 280 mm
Endurance	>=16 h at 50% load; >=9 h full-load duty
Speed	0.2-1.2 m/s; <=0.4 m/s near people
Battery	25.6 V / 100 Ah / 2.56 kWh
Charge	<=75 min standard; <=50 min optional fast
Protection / noise	IP20 / <=55 dB(A) travel

APPLICATION BOUNDARY

Indoor operation. Elevator capability is optional through a named site kit.

ASA MESA

ASRQ-DL420**RESTAURANT AND VENUE SERVER**

Four open trays and a clear guest-facing interface for restaurants, venues and managed service routes.



PRODUCT RENDER | CONFIGURATION AS QUOTED

KEY CAPABILITIES

- Deliver, multi-table, ware-bus and hold-at-pass modes
- Four independently monitored open trays
- EN/FR 10-inch interface
- Named POS/KDS connectors available by SKU

BEST FIT

BUSINESSES Restaurants, hotels, event venues and food-service operators.

LOCATIONS Dining rooms, banquet floors, service corridors and tray-return routes.

SPECIFICATIONS

Envelope	$\leq 560 \times 450 \times 1,280$ mm
Passage / turning	540 mm / ≤ 900 mm
Payload	40 kg total; ≤ 10 kg per tray
Tray size	4 trays, each $\geq 400 \times 300$ mm
Endurance	≥ 14 h at 50% load; ≥ 8 h full-load duty
Speed	0.2-1.2 m/s; ≤ 0.4 m/s near people
Battery	25.6 V / 100 Ah / 2.56 kWh
Charge	≤ 75 min standard; ≤ 50 min optional fast
Protection / noise	IP20 / ≤ 55 dB(A) travel

APPLICATION BOUNDARY

Indoor use. POS/KDS connectivity requires a named connector and supported-version matrix.

ASA CAVA

ASRQ-HT430**SECURE BUILDING DELIVERY**

Four individually secured bays support traceable deliveries in hotels, offices and managed buildings.



PRODUCT RENDER | CONFIGURATION AS QUOTED

KEY CAPABILITIES

- One-time PIN/QR handoff with expiry and receipt
- Per-bay lock, jam and presence sensing
- Selective bay release and audited staff override
- Multi-floor workflows through a named elevator kit

BEST FIT

BUSINESSES Hotels, offices, managed residential buildings and campus services.

LOCATIONS Lobby-to-room routes, reception, corridors and approved elevator workflows.

SPECIFICATIONS

Envelope	$\leq 620 \times 480 \times 1,200$ mm
Passage / turning	560 mm / ≤ 950 mm
Payload / max mass	40 kg / 115 kg operating mass
Usable volume	≥ 70 L across four bays
Bay volumes	A/B ≥ 20 L each; C/D ≥ 15 L each
Runtime	≥ 16 h at 50% payload duty mix
Battery / charge	Pack S; ≤ 75 min standard; ≤ 50 min fast
Protection / noise	IP20 / ≤ 52 dB(A) travel

APPLICATION BOUNDARY

Not for medication, biohazards or cold-chain delivery. Multi-floor sales require a named elevator integration.

ASA NAVI

ASRQ-TR330**350 KG NARROW-AISLE CARRIER**

A low-profile AMR platform for narrow industrial routes and structured material-transfer missions.



PRODUCT RENDER | CONFIGURATION AS QUOTED

KEY CAPABILITIES

- Flat deck for an approved top module
- WMS/MES job IDs and duplicate suppression
- Interrupted-transfer recovery
- Pose and load interlocks before transfer

BEST FIT

BUSINESSES Manufacturing, warehouses, logistics and intralogistics operations.

LOCATIONS Narrow aisles, workstations, line-side transport and calibrated transfer docks.

SPECIFICATIONS

Envelope	$\leq 1,000 \times 500 \times 420$ mm
Passage / turning	600 mm / $\leq 1,250$ mm
Payload	350 kg including top module
Dock accuracy	$\leq \pm 3$ mm and $\leq \pm 0.4$ deg after calibration
Speed	≤ 1.8 m/s unloaded; ≤ 1.3 m/s loaded
Runtime	≥ 10 h at rated-payload duty mix
Battery	51.2 V / 125 Ah / 6.4 kWh
Charge	≤ 130 min standard; ≤ 60 min optional fast
Protection	IP54; safety-rated perimeter

APPLICATION BOUNDARY

Not a forklift or public-road vehicle. Payload includes the fitted top module.

ASA ORDO

ASRQ-TR630**700 KG HEAVY CARRIER**

A heavy-duty AMR base for repeatable industrial transport under a controlled centre-of-gravity configuration.



PRODUCT RENDER | CONFIGURATION AS QUOTED

KEY CAPABILITIES

- 700 kg flat-deck payload including top module
- WMS/MES job stack shared with Navi
- Loaded braking and corner validation
- Optional separately rated 600 kg top lift

BEST FIT

BUSINESSES Heavy manufacturing, distribution, logistics and material handling.

LOCATIONS Designated heavy-load corridors and production routes after floor survey.

SPECIFICATIONS

Envelope	$\leq 1,220 \times 560 \times 480$ mm
Passage / turning	660 mm / $\leq 1,500$ mm
Payload	700 kg including top module
Maximum operating mass	955 kg
Speed	≤ 1.6 m/s unloaded; ≤ 1.2 m/s loaded
Runtime	≥ 10 h at rated-load duty mix
Battery	51.2 V / 200 Ah / 10.24 kWh
Charge	≤ 110 min standard; ≤ 60 min optional fast
Protection	IP54; Navi-family docking

APPLICATION BOUNDARY

Flat-deck rating is 700 kg. Optional top lift is separately rated at 600 kg.

Plan the right deployment for your facility.

Model selection starts with the work, the site and the operating requirements. ASA Robot can review route widths, floor conditions, duty cycles, payloads, interfaces and service access before proposing a configuration.

1

01 APPLICATION REVIEW

Define task, environment, operating hours, surfaces, loads and success criteria.

2

02 SITE & ROUTE SURVEY

Validate passage, turning, floor loading, dock placement, utilities, network and people flow.

3

03 CONFIGURATION & EVIDENCE

Confirm software modules, accessories, integrations, measured performance and applicable compliance documents.

4

04 QUOTATION & PILOT PLAN

Set scope, pricing, installation, training, support, acceptance tests and next-step dates.

ASA ROBOT

Website: www.asarobot.com | Email: asarobot.ca@gmail.com | Email: Info@asarobot.com

Project-based quotation

All models are available to order. Final scope and site configuration are confirmed in the written quotation.