WHY CONSIDER POWERED CARTS?

NEWCASTLE SYSTEMS

Newcastle Systems is the world's #1 provider of mobile powered workstations. Our customers are a who's who list of successful companies who are passionate about removing waste and being as efficient as possible. Our customers have reported incredible increases in efficiencies and worker utilization rates making them more competitive and profitable.

WHAT PROBLEMS DO POWERED CARTS SOLVE?

ACCURACY
Reduce mislabeled products by 90%

CAPACITY
Increase by 30-50%

POOR FLOW
Improve order cycle times by 50%

FATIGUE
Reduce walking up to 50%

SAFETY
Ensure employee spacing/avoid cross traffic

ROI/IMPACT

+50% FASTER DOCK TO STOCK

-90% LABELING ERRORS

-$7500 LABOR COSTS PER OPERATOR

+SAFETY ENSURE SAFE WORK DISTANCES

TYPICAL ROI CALCULATION

Based on 40 hour week, $20/hour + benefits. Mobile workstation includes NB Series with PowerSwap Lithium, ZT230 printer and DS3678 scanner.

	1 USER	50 USERS
DOLLARS SAVED/YEAR	$10,400	$520,000
HOURS SAVED/YEAR	520	26,000
MONTHS TO PAYBACK	6.1	6.1

THE SOLUTION: MOBILE POWER

REMOVE WASTED MOTION WALKING TO FIXED DEVICES **OFTEN 50% OF A PROCESS**

CALCULATE YOUR OWN ROI OR PERFORM A TIME STUDY WITH OUR FREE MOBILE APP

DOWNLOAD OUR APP

GET IT ON Google Play · Download on the App Store

NEWCASTLESYS.COM/ROI
NEWCASTLESYS.COM/MOTIONMETER

THE MOST POPULAR USES FOR POWERED CARTS

Inbound Labeling/ Receiving

Cycle Counting

Batch Picking

Manufacturing Work Instructions/Drawings

Shipping Document Control

Labeling & Data Entry (ERP)

Quality Control

Supervisor Stations

SOME OF OUR BIGGEST FANS

HD SUPPLY · UPS · zulily · Walmart · VOLVO · DICK'S SPORTING GOODS · amazon · TJX · Biogen · Ryder · FedEx

TESLA · DB SCHENKER · McMASTER-CARR · CardinalHealth · Direct Relief · ceva · wayfair · SANOFI · Mercedes-Benz · ROSS DRESS FOR LESS

Category	Mobile Workstations						PowerSwap Systems		Portable Power Systems	
Product	EcoCart Series	LT Series	NB Series	Apex Series	QC Series	PC Series	PowerSwap Nucleus CLASSIC	PowerSwap Nucleus MINI	PowerPack Ultra	PowerPack Mega
Common Configurations	**EC380** (100ah) $2,039 **B423** Middle Shelf $89		**NB430** (100ah) $2,985 or **NB440** (200ah) $3,395 **B124** Middle Shelf $150	**AP1000-S** Apex Slim non power workstation $1,430 **AP1010-S** Apex Slim SLA workstation STD PP & 1 x 100ah battery $3,385 **AP2072-S** Apex Slim Lithium workstation, 2 batteries, 1 x PWD2, 1 x PWC2 $5,765 **AP2074-S** Apex Slim Lithium workstation, 4 batteries, 1 x PWD2, 1 x PWC2 $7,555	**QC1000** non power workstation $1,204 **QC504** SLA workstation SM PP & 1 x 40ah battery $2,024 **QC510** SLA workstation SM PP & 1 x 100ah battery $2,464 **QC1010** SLA workstation STD PP & 1 x 100ah battery $2,820 **QC104NU** Lithium workstation, 1 x PWD1 $1,919 **QC207NU** Lithium workstation, 1 x PWD2 $2,399	**PC536** (200ah) 30" $3,775 **PC556** (220ah) 48" $3,975 **B127** 30" Middle Shelf $169 **B143** 48" Middle Shelf $193	**PPNU2** Stand Alone PP w/2 x 3.6 battery $4,335 **PWC2** 2-bay PowerCharge charging stn $1,350 **PWD2** 2 Bay PowerDockDual docking stn $1,195 **PSNU3.6** Lithium Iron Phosphate 36ah battery $895 **NB300NU2** Nucleus NB Series Lithium Iron 2 batteries $5,330 **NB300NU4** Nucleus NB Series Lithium Iron 4 batteries $7,120 **PC490NU2** Nucleus PC 30" Series Lithium Iron Workstation with 2 batteries $5,700 **PC490NU4** Nucleus PC 30" Series Lithium Iron Workstation with 4 batteries $7,490 **PC495NU2** Nucleus PC 48" Series Lithium Iron Workstation with 2 batteries $5,900 **PC495NU4** Nucleus PC 48" Series Lithium Iron Workstation with 4 batteries $7,690	**PS102NU1M** Nucleus MINI stand alone power package w/ 1 x PSNU1.8M battery, PWD1M $1,313 **PS102NU2M** Nucleus MINI stand alone power package w/ 2 x PSNU1.8M battery, PWD1M $1,812 **PWD1M** 1 Bay MINI PowerDock docking station $415 **PWC1M** 1 Bay MINI PowerCharge charging station $399 **PSNU1.8M** Lithium Iron Phospate 230Wh battery, compatible with Mini NU PWD1M $499 EC Series w/ Single Lithium $2,092 EC Series w/ Dual Lithium $2,591	**PP2.6** (26ah) $895	**PP42** (100ah) $2,250 **PP45** (200ah) $2,695
Accessories (Optional)	**B112** Laptop Holder $175 **B407** Keyboard Tray $148 **B266** LCD Post $94		**B112** Laptop Holder $175 **B107** Keyboard Tray $165 **B266** LCD Post $94	**B132** Scanner Holder $40	**B128QC** Lockable Drawer $249 **B269** Thin Client Holder $77 **B407** Keyboard Tray $148	**B112** Laptop Holder $175 **B107** Keyboard Tray $165 **B266** LCD Post $94	**B112** Laptop Holder $175 **B107** Keyboard Tray $165 **B266** LCD Post $94	**B423** ECO Middle Shelf $89 **B112** Laptop/Tablet Holder $175 **B266** Single Monitor Holder $94		
Application	Receiving/labeling, QA, cycle counts	Receiving/labeling, QA, cycle counts	Receiving/labeling, QA, cycle counts	Shop floor applications: track/trace, MES, lot control, QA, supervisor cart, training, work instructions, drawings	Quality testing, supervisor floor station, training, work instruction, maintenance station	Receiving/labeling, QA, cycle counts, picking, shipping	24-7 receiving, labeling	Receiving, picking carts, QA, cycle counts, supervisor stations	QA carts, retail markdowns, cycle counts	Receiving/labeling, QA, cycle counts, on customer's own cart
Powers	Laptops, desktop & mid-range label printers, NO lasers	Laptops, small thermal printers & scanners	Small PCs, laptops, desktop & mid-range label printers	Thin clients, small PCs, laptops, LCDs, small printers	Laptop/thin client, LCD, desktop printer & scanner	Small PCs, laptops, desktop & mid-range, industrial label printers & laser printers	Laptops, small PCs, tablets & any thermal printers - NO lasers	Laptops, desktop printers, some tabletop printers, scanners, tablets, thin clients	Laptops, tablets & desktop thermal printers	Laptops, PCs & thermal printers
Run Time	4-8+ hours	4-8+ hours	4-8+ hours	8-24 hours	8-12+ hours	4-8+ hours	24-7 (6-8 hours per battery pack)	4-8 hours	4-12 hours	4-12 hours
Notes	•Eco 0 - Lower cost model •475 w inverter not adjustable •Can't charge and use at the same time	•Great value •Very lightweight	•For lasers, quote NB470 •Adjustable •1000w inverter •Can add a 2nd battery •Can charge and use at the same time	•Focus on manufacturing flexibility, paperless, real time visibility			•5 year battery life •Extremely lightweight •Hot swappable - best in breed technology	•5 year battery life •3 year warranty •Affordable technology	•Very low cost •Compact size •Perfect for laptops	•For those who want to use their own cart
Benefits/ Metrics	•Reduced motion, handling & paperwork •Increases worker efficiency •Lower dock to stock times by 40% •Reduces mislabeled products •Improves overall process	•Laptop power for 12 hours •Can power a small label printer	•Reduced motion, handling & paperwork •Increases worker efficiency •Lower dock to stock times by 40% •Reduces mislabeled products •Improves overall process	•Paperless, faster, more accurate documentation •Less errors from using old drawings and bills of material •Flexibility - work where you need to	•Reduced motion, handling & paperwork •Increases worker efficiency •Up to 3 locking storage drawers for tools, calipers and more •Testing can be performed right at the product/line	•Customer service % improves by removing mislabeled shipments •Reduced handling motion & paperwork increases worker efficiency •Improves overall process	•Reduced motion, handling & paperwork •Increases worker efficiency •Lower dock to stock times by 40% •Reduces mislabeled products •Improves overall process •24-7 efficiency •Hot swappable •Lightweight •Extended battery life	•Mobile printing with 6 month ROI •Reduced motion, handling & paperwork •Increased worker efficiency •Lower dock to stock times •Extremely lightweight	•Great for retail store applications •Powers a laptop for 10+ hours	•Can adapt to most carts adding power and proving processes