

# WHY CONSIDER POWERED CARTS?

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**



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



# POWERED CARTS & PORTABLE POWER SYSTEMS

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) B423 Middle Shelf		NB430 (100ah) or NB440 (200ah) B124 Middle Shelf	AP1000-S Apex Slim non power workstation AP1010-S Apex Slim SLA workstation STD PP & 1 x 100ah battery AP2072-S Apex Slim Lithium workstation, 2 batteries, 1 x PWD2, 1 x PWC2 AP2074-S Apex Slim Lithium workstation, 4 batteries, 1 x PWD2, 1 x PWC2	QC1000 non power workstation QC504 SLA workstation SM PP & 1 x 40ah battery QC510 SLA workstation SM PP & 1 x 100ah battery QC1010 SLA workstation STD PP & 1 x 100ah battery QC104NU Lithium workstation, 1 x PWD1 QC207NU Lithium workstation, 1 x PWD2	PC536 (200ah) 30" PC556 (220ah) 48" B127 30" Middle Shelf B143 48" Middle Shelf	PPNU2 Stand Alone PP w/2 x 3.6 battery PWC2 2-bay PowerCharge charging strn PWD2 2 Bay PowerDock-Dual docking strn PSNU3.6 Lithium Iron Phosphate 36ah battery  NB300NU2 Nucleus NB Series Lithium Iron 2 batteries NB300NU4 Nucleus NB Series Lithium Iron 4 batteries  PC490NU2 Nucleus PC 30" Series Lithium Iron Workstation with 2 batteries PC490NU4 Nucleus PC 30" Series Lithium Iron Workstation with 4 batteries PC495NU2 Nucleus PC 48" Series Lithium Iron Workstation with 2 batteries PC495NU4 Nucleus PC 48" Series Lithium Iron Workstation with 4 batteries	PS102NU1M Nucleus MINI stand alone power package w/ 1 x PSNU1.8M battery, PWD1M PS102NU2M Nucleus MINI stand alone power package w/ 2 x PSNU1.8M battery, PWD1M  PWD1M 1 Bay MINI Power-Dock docking station PWC1M 1 Bay MINI Power-Charge charging station PSNU1.8M Lithium Iron Phosphate 230Wh battery, compatible with Mini NU PWD1M  EC Series w/ Single Lithium EC Series w/ Dual Lithium	PP2.6 (26ah)	PP42 (100ah) PP45 (200ah)
Accessories (Optional)	B112 Laptop Holder B407 Keyboard Tray B266 LCD Post		B112 Laptop Holder B107 Keyboard Tray B266 LCD Post	B132 Scanner Holder	B128QC Lockable Drawer B269 Thin Client Holder B407 Keyboard Tray	B112 Laptop Holder B107 Keyboard Tray B266 LCD Post	B112 Laptop Holder B107 Keyboard Tray B266 LCD Post	B423 ECO Middle Shelf B112 Laptop/Tablet Holder B266 Single Monitor Holder		
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