

# 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

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



# POWERED CARTS & PORTABLE POWER SYSTEMS

Category	Mobile Workstations					PowerSwap Systems		Portable Power Systems	
Product	EcoCart Series	NB Series	Apex SLIM	Apex 1000	PC Series	PowerSwap Nucleus CLASSIC	PowerSwap Nucleus MINI	PowerPack Ultra	PowerPack Mega
									
Common Configurations	<b>EC380</b> (100ah) <b>B423</b> Middle Shelf	<b>NB430</b> (100ah) or <b>NB440</b> (200ah) <b>B124</b> Middle Shelf	<b>AP1000-S</b> Apex Slim non power workstation <b>AP1010-S</b> Apex Slim SLA workstation STD PP & 1 x 100ah battery <b>AP2072-S</b> Apex Slim Lithium workstation, 2 batteries, 1 x PWD2, 1 x PWC2 <b>AP2074-S</b> Apex Slim Lithium workstation, 4 batteries, 1 x PWD2, 1 x PWC2	<b>Apex1000</b> non power workstation <b>AP207NU2-S</b> Apex 1000 Lithium workstation, 2 batteries, 1 x PWC2C <b>AP207NU4-S</b> Apex 1000 Lithium workstation, 4 batteries, 1 x PWC2C	<b>PC536</b> (200ah) 30" <b>PC556</b> (220ah) 48" <b>B127</b> 30" Middle Shelf <b>B143</b> 48" Middle Shelf	<b>PPNU2</b> Stand Alone PP w/2 x 3.6 battery <b>PWC2</b> 2-bay PowerCharge charging stn <b>PWD2</b> 2 Bay PowerDockDual docking stn <b>PSNU3.6</b> Lithium Iron Phosphate 36ah battery  <b>NB300NU2</b> Nucleus NB Series Lithium Iron 2 batteries <b>NB300NU4</b> Nucleus NB Series Lithium Iron 4 batteries  <b>PC490NU2</b> Nucleus PC 30" Series Lithium Iron Workstation with 2 batteries <b>PC490NU4</b> Nucleus PC 30" Series Lithium Iron Workstation with 4 batteries <b>PC495NU2</b> Nucleus PC 48" Series Lithium Iron Workstation with 2 batteries <b>PC495NU4</b> Nucleus PC 48" Series Lithium Iron Workstation with 4 batteries	<b>PS102NU1M</b> Nucleus MINI stand alone power package w/ 1 x PSNU1.8M battery, PWD1M <b>PS102NU2M</b> Nucleus MINI stand alone power package w/ 2 x PSNU1.8M battery, PWD1M  <b>PWD1M</b> 1 Bay MINI Power-Dock docking station <b>PWC1M</b> 1 Bay MINI Power-Charge charging station <b>PSNU1.8M</b> Lithium Iron Phosphate 230Wh battery, compatible with Mini NU PWD1M  EC Series w/ Single Lithium EC Series w/ Dual Lithium	<b>PP2.6</b> (26ah)	<b>PP42</b> (100ah) <b>PP45</b> (200ah)
Accessories (Optional)	<b>B112</b> Laptop Holder <b>B407</b> Keyboard Tray <b>B266</b> LCD Post	<b>B112</b> Laptop Holder <b>B107</b> Keyboard Tray <b>B266</b> LCD Post	<b>B132</b> Scanner Holder	<b>B300</b> Keyboard Tray <b>B132</b> Scanner Holder <b>B311</b> Hanging Printer Shelf	<b>B112</b> Laptop Holder <b>B107</b> Keyboard Tray <b>B266</b> LCD Post	<b>B112</b> Laptop Holder <b>B107</b> Keyboard Tray <b>B266</b> LCD Post	<b>B423</b> ECO Middle Shelf <b>B112</b> Laptop/Tablet Holder <b>B266</b> Single Monitor Holder		
Application	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	Shop floor applications: track/trace, MES, lot control, QA, supervisor cart, training, work instructions, drawings	Receiving/labeling, QA, cycle counts, picking, shipping	24-7 receiving, labeling	Receiving, picking carts, QA, cycle counts, supervisor stations	QA carts, retail mark-downs, cycle counts	Receiving/labeling, QA, cycle counts, on customer's own cart
Powers	Laptops, desktop & mid-range label printers, NO lasers	Small PCs, laptops, desktop & mid-range label printers	Thin clients, small PCs, laptops, LCDs, small printers	Laptop/thin client, laptops, LCDs, barcode 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	8-24 hours	8-24 hours	4-8+ hours	24-7 (6-8 hours per battery pack)	4-8 hours	4-12 hours	4-12 hours