NEWCASTLE SYSTEMS

Powered Process Improvement

MOBILE WORKPLACE AND PORTABLE POWER SYSTEMS

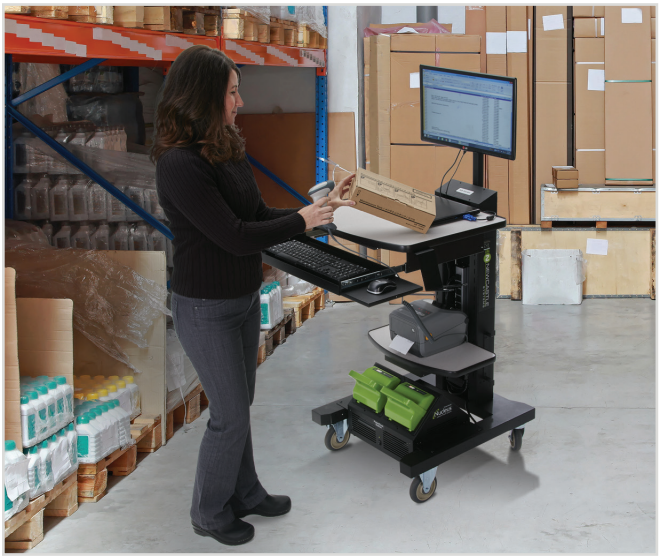
LAUBNER®
Auto-ID Solutions

Andreas Laubner GmbH
European Distributor
www.laubner.com

PRODUCT OVERVIEW

NEWCASTLE SYSTEMS

POWERED PROCESS IMPROVEMENT



OUR CUSTOMERS

Newcastle Systems is proud to be associated with some of the biggest names in the warehousing and distribution, manufacturing and retail business sectors.

- Amazon.com
- Cardinal Health
- Caterpillar
- HomeGoods
- Macys
- Mercedes Benz
- MSC Industrial Supply
- Raytheon
- Ross Stores
- Schlumberger
- Staples
- Tesla
- The Home Depot
- ThermoFisher
- UPS Supply Chain Solutions

Converting a stationary workplace to a mobile one is the easiest, most economical way to increase productivity of your current workers and infrastructure. Our Mobile Workplace and Portable Power Systems let you take your workstations wherever they are needed.

Benefits include:

Increasing Productivity

Our Mobile Workplace System means you can process the same transactions with fewer pieces of equipment (i.e. printers, computers, etc.) by converting to mobile workstations.

Instant Gratification

Quickly obtain measurable productivity gains without months of planning and implementation. Workstations are delivered and can be on the floor the same day.

Improving Processes

The Portable Power System allows you to fully leverage your wireless facility by cutting the power cords and letting your workstations move to where they are needed - with your people.

Enabling People

Operators and managers now have access to data and real-time information anywhere in the facility because they can take their workstation with them.

No Additional Purchases

Mobile workstations easily integrate with your existing hardware and software systems, eliminating the need for additional investment or equipment purchases.

LAUBNER® Auto-ID Solutions

"They are the best thing I have ever placed into a warehouse for productivity, flexibility, and function!!!."

Joe H., Parts Logistics Manager
Mercedes Benz

YOUR BUSINESS

With thousands of installations worldwide, our Mobile Workplace and Portable Power Systems have proven to increase productivity in a wide variety of workplaces. The most popular workplaces include:

Business Sector	Common Applications

Warehouses/Distribution Centers

Maximizing supply chain efficiencies are on-going goals of progressive organizations. Mobile workstations deployed in a wireless facility can help support ERP and WMS systems to achieve optimal productivity.

- Incoming inspection and labeling
- Inventory control/cycle counting
- Order fulfillment and picking
- Outbound labeling
- Cross-docking

Manufacturing Facilities

Mobile workstations support lean manufacturing principles that require greater operational flexibility. They excel in a manufacturing environment for tasks such as:

- Quality control/assurance
- Lot and batch traceability
- Mobile supervisor station
- Visual work instruction
- Material replenishment
- Finished goods labeling and much more

Retail Floors

Performing tasks at the point of activity saves time, improves accuracy and keeps sales personnel on the floor, ready to help your customers.

- Shelf labeling, tag and sign printing
- Inventory management
- Line busting
- Mobile POS "point of sale" station
- Portable power for garden centers, sidewalk sales, concerts and more

Other Workplaces

Mobile Powered Workstations are proven productivity solutions in other workplaces such as: • health care • education • government agencies and many more

- Health care: Mobile patient charting
- Education: Portable power for AV equipment, mobile registration or orientation
- Government: Mobile station for explosive detection equipment (TSA)

MOBILE WORKPLACE SYSTEMS

Newcastle Systems is committed to providing innovative solutions that help make auto-ID technology and other hardware more mobile and information more readily available across an entire enterprise.

MOBILE WORKSTATION KEY BENEFITS

- Eliminate costly footsteps
- Print on-demand and reduce costly mislabeling errors
- Continuous full screen access to real-time information
- See your ROI in about 4-6 months

The full line of wireless workstations with integrated power supplies are designed to transport and power high-volume bar-code printers, laptops, PCs, scales, dimensioning stations and other electronic equipment for 8 - 12+ hours at a time, or 24/7 operation.

Create Your Own Mobile Station

An on-demand label printing / PC station provides a simple way to implement mobility in your facility.

A popular configuration consists of:

1. Your high-volume label printer
2. Your iPad, laptop or PC/LCD with WMS, ERP, MES, etc.
3. A mobile powered workstation

Eliminate costly footsteps, improve accuracy and increase productivity immediately!

		NB Series Mid-Range Unit	Apex Series Heigh-Adjust Unit	PC Series Heavy-Duty Unit	NEW QC Series quality Testing Unit
Ideal Workplace	**Retail Floor**	●			●
	Warehouse/DC	●	●	●	●
	Manufacturing	●	●	●	●
	Typical Hardware Powered	Laptop or tablet, scanner, high-volume printer for 8-12+ hrs.	Laptop or tablet, 1-2 LCDs/ touchscreens, barcode printer, scanner for 8+ hrs.	PC and monitor, scanner, high-volume printer for 8-12+ hrs.	Laptop/thin client, LCD, thermal printer & scanner 8+ hrs.
	Battery	Hot swappable LiFePO4 460/920 WH	Hot swappable LiFePO4 460/920 WH	Hot swappable LiFePO4 460/920 WH	Hot swappable LiFePO4 460/920 WH
	Power Swap Compatible	Yes, enables 24 hour power with lithium power system	Yes, enables 24 hour power with lithium power system	Yes, enables 24 hour power with lithium power system	Yes, enables 24 hour power with lithium power system
	Footprint (L x W x H)	61 x 66 x 107 cm NB Series 46 x 66 x 107 cm NB Series SLIM	48 x 66 x 76 - 122 cm	66 x 90 x 109 cm (76 cm shelf) 66 x 136 x 109 cm (122 cm shelf)	74 x 56 x 107 cm
	Weight	68 - 120 kg	43-76 kg	90 - 175+ kg	52 - 88 kg
		laubner.com/nbserie	laubner.com/apexserie	laubner.com/pcserie	laubner.com/qcserie

NB and PC Series come standard with (one) adjustable shelf, locking casters, push handles, waste basket and holder, integrated power system, built-in power strip and cord reel holder.

PowerSwap Nucleus Lithium Power System

newcastlesys.com/powerswap-nucleus

NEW! POWER SWAP NUCLEUS

Lithium Power System

The PowerSwap Nucleus enables productivity to happen by providing power to devices such as a laptop, tablet, printer, scanner and more for 8+ hours at a time.

Once the battery charge is depleted, simply swap it with a fully charged one in a matter of seconds enabling a 24/7 operation. No tools or heavy lifting required.

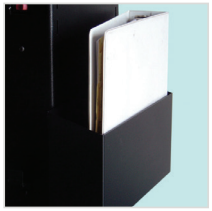
- FIRST lithium iron phosphate power pack designed for industrial environments with safety in mind
- Each 36 AH battery pack supports up to 460 watt hours and weighs only 5 kg
- Extremely robust: 5-7 year battery life or 3,000 cycles making it a great investment
- The complete system consists of: 1-4 battery packs, power docking station and a battery charging station
- Integrates with NB, PC or Apex - Series or your own cart

ACCESSORIES

Newcastle Systems' growing line of modular accessories enables you to customize mobile powered workstations to suit your specific needs. Workstation accessories provide benefits such as increased ergonomics, organization, convenience, security and flexibility.

A sampling of the currently available accessories is pictured below. You can find the complete line of modular accessories at www.newcastlesys.com/accessories.

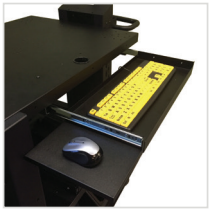
Lockable 3" Drawer
for NB & PC Series



Binder Holder
for NB & PC Series

Scanner Holder for
NB, PC & Apex Series

Label Holder
for NB & PC Series

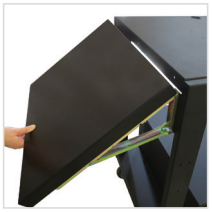


Keyboard Drawer
for NB, PC & Apex Series

Slide-Out Printer Tray
for NB & PC Series

Small Printer Tray
for NB & PC Series

Single & Dual Monitor
Mount & 30" Pole for NB,
PC & Apex Series



Folding Shelf
for PC Series

EASILY IDENTIFY HIDDEN CAUSES OF WASTE WITH OUR MOTIONMETER APP

MotionMeter by Newcastle Systems is a free user-friendly app (available for both Apple and Android devices) that enables you to quickly perform your own time studies by capturing the time of core processes within your business. It can help you identify which step of the process is NECESSARY (Value Add) or WASTE (non-Value Add). It's also an ideal tool to capture data of specific steps (or tasks) in lieu of performing a full-scale process time study.

From there, a comprehensive overview will outline how much the wasted motion is costing your business and how much you could save annually if that motion is eliminated. Learn more and download the free app at: www.newcastlesys.com/motionmeter.

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RETURN ON INVESTMENT

It's easy to underestimate how much time is spent walking back and forth to fixed printers, computers, scales and other equipment, but it is a costly practice. By eliminating just 6 minutes of walking per hour, thousands of euros can be saved over the course of a year.

Sample ROI Calculation

Number of minutes (per hour) spent walking to a static printer or computer desk	6 minutes
Average labor rate (w/benefits) per hour	€ 22
Number of work hours per week	40
Number of mobile stations you want to implement throughout your facility	5
Average cost per Mobile Powered Workstation (Excluding optional accessories. Costs range from € 1,300 - € 2,900)	€ 2,200
YEARLY SAVINGS	
€ saved per year when walking is eliminated	€ 22,880
Hours saved per year	1,040
Number of months to pay back initial workstation purchase	5.77

Actual Customer Results

75%
Reduction in overtime

€7,500
Reduction in labor costs per operator

63%
Increase in receiving volume

The complete case study, including the Newcastle Systems products which were deployed to achieve these results, can be found at: http://www.newcastlesys.com/payback-time.

ABOUT NEWCASTLE SYSTEMS

Newcastle Systems is committed to providing innovative solutions that help make Auto-ID technology and other hardware truly mobile and information more readily available across an entire enterprise.

Loss of productivity and inefficiencies such as wasted steps to the printer on a fixed desk, inaccurate inventory counts, improper labeling, time delays, manual processing and incorrect shipments are just some of the challenges that are alleviated with a mobile powered workstation.

www.laubner.com

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