



Transforming Transactions  
into Relationships

# NCR 7875 Bi-Optic Aggressive Read Scanner/Scale

A New Revolution  
in Scanning  
Technology:

The Cashier's  
Scanner



The NCR 7875 is the most aggressive scanner made. Its dense pattern of laser lines, large windows, top-down scanning capability, PACESETTER 3 software, and other innovative features give it the highest first-pass read rate in the industry – resulting in increased checkout throughput and better cashier efficiency.

# NCR 7875 Bi-Optic Aggressive Read Scanner/Scale

## The Cashier's Scanner

Ever since NCR introduced the first retail scanner in 1974, we've led the way in scanner advancements. Notably, NCR was the first to combine scanner and scale, the first to read and report bad bar codes with PACESETTER *Plus* software, and the first to address ergonomics and to revolutionize first-pass read performance with bi-optic scanners.

The NCR 7875 is built upon the success of our award-winning NCR 7870 scanner/scale. It was developed in response to the retailers' need to contain costs in the face of high employee turnover, lower productivity, and the constant demands of training new employees. Our goal was to make the NCR 7875 the simplest, easiest scanner for cashiers to learn and use.

## What makes the NCR 7875 so easy to use?

The NCR 7875 is the most aggressive reading scanner NCR has ever offered. It provides superior performance under a variety of different operating conditions. The NCR 7875 features the latest scanning innovations, including:

- Exclusive top-down read capability from the 6"-high vertical window so minimal orientation of products is needed. This unique feature makes it more comfortable for cashiers to use and makes the scanning process more efficient.
  - Larger 7" bottom window gives the NCR 7875 an increased scanning zone so that it can read bar codes on the first pass, and accommodate the varying scanning techniques of cashiers.
  - A second video channel creates a very dense scan zone, increases the depth of the field, and enables the scanner to read labels better.
  - Because of the dense scan zone, the NCR 7875 offers quick read capability when bar codes are presented to the vertical window of the scanner. This accommodates the scanning of hard-to-read items.
  - NCR's PACESETTER 3 software allows the NCR 7875 to make decisions about poor quality labels. In milliseconds, it can decode misprinted, wrinkled or damaged UPCs commonly found in the meat and deli departments. Called Adaptive Label Reconstruction, this feature recognizes and reconstructs the damaged label and provides the terminal with accurate bar code information so that the checkout process is not delayed.
- NCR's PACESETTER *Plus* software, a standard feature of the NCR 7875, automatically reports label misprints and label printer failures.
  - The Scan Doctor, a state-of-the-art self-diagnostics system developed by NCR, performs a wellness check every time the scanner goes through a power cycle. If a failure has occurred, the Scan Doctor alerts the cashier through speech synthesis, announcing the failure and allowing service personnel to arrive prepared. It can even send a diagnosis to the terminal to communicate with host systems.
  - A clean-glass indicator lets the cashier immediately know when the scanner window has become too dirty to perform optimally. Optional voice activation is available.
  - Dual RS-232 ports permit the addition of a hand-held scanner or other peripherals to the check-stand configuration.
  - Cashier-side volume control enables cashiers to adjust the "good read" tone to accommodate varying in-store noise levels.

**Virtually eliminate training while increasing productivity.**

Every advancement we built into the new NCR 7875 Bi-Optic Aggressive Read Scanner/Scale – from its top-down reading ability to its clean-glass indicator – makes this unit the easiest and most productive scanner/scale on the market.

The NCR 7875 is a more aggressive reading scanner, which compensates for cashiers of varying levels of experience and skill, significantly reduces training time, and makes every operator more efficient and productive.

Now we invite you to see if you agree. For more information on the NCR 7875, call your NCR representative or visit NCR on the Internet at [www.ncr.com](http://www.ncr.com).

**Almost no manipulation of products is required while scanning.**



Corner bar codes can be read without special orientation.



Coupons are scanned quickly when presented.



Delicate top-coded products are read without tipping.



Dirty or poorly printed bar codes are not a problem.



Wrinkled bar codes are accurately scanned.



Label misprints are corrected and reported with PACESETTER 3 and PACESETTER Plus.

## Hardware Advancements

The NCR 7875 is designed to fit into the counter hole required by most popular high-performance scanners. Check-stand modification is often unnecessary. The upper scanner housing is designed "retail rugged" to handle the weight of purses or elbows. Its height and angle accommodate check writing, eliminating the need for an extra piece of cabinetry. The NCR 7875 does not require check-stand ventilation, and all service and calibration can be accomplished without removing the Scanner/Scale from the check-stand. A soft power-down and Automatic Power-Up capability extend the life of the scanner without impacting operations.

Scanner glass is available with a Diamond or Sapphire Crystal surface, supplying a cost performance mix for all needs. The Diamond glass is customer-replaceable.

## Software Advancements

The NCR 7875 can simultaneously auto-discriminate between UPC/EAN/JAN, Code 3 of 9, Code 128, Interleaved 2 of 5, Extended Coupon Codes, and Periodical Add-On codes. The non-UPC codes are standard, but are disabled in the scanner. These codes can be activated and other scanner attributes can be programmed via bar code or download signal from the host device.

PACESETTER, a technology that easily reads labels of inferior quality, has been a familiar tool for NCR scanner users for many years. With the NCR 7875, this technology has been advanced. PACESETTER *Plus* determines what is wrong with a label, corrects it, and sends the accurate data to the terminal. This feature allows you to keep track of the quantities of bad labels in your store. When commanded, the scanner will communicate which labels

are inferior and send this data to the terminal. Different PACESETTER *Plus* modes of operation will allow you to isolate products with poor label quality.

The NCR 7875 introduces a new generation of decode algorithms known as PACESETTER 3. This software allows the NCR 7875 to decode misprinted UPCs, even those with common malfunctions (e.g., those with faulty thermal print heads). The feature called Adaptive Label Reconstruction will automatically correct the damaged label and provide the terminal with accurate bar code information, along with an optional indication that an in-store printer has failed.

## Laser Technology

Laser Diode – 675 nm

## Power

90-260 VAC/50-60 Hz  
24 Watts while scanning  
11 Watts while in stand-by

## Environmental Specs

**Working Temperature:**  
10 Degrees C - 40 Degrees C

**Storage Temperature:**  
15 Degrees C - 50 Degrees C

**Relative Humidity:**  
5% - 95%

**Transit Temperature:**  
40 Degrees C - 60 Degrees C

## Physical Characteristics

**Scanner**  
Width: 11.5" 29.2 cm  
Length: 20.0" 50.8 cm  
Depth: 5.0" 12.7 cm  
Weight: 25.8 lb 11.7 kg

## Scanner/Scale

Width: 11.9" 30.2 cm  
Length: 20.0" 50.8 cm  
Depth: 5.0" 12.7 cm  
Weight: 31.8 lb 14.4 kg

## Sound

<55 dba

## Interfaces

RS232  
NCR OCIA Single Cable  
NCR OCIA Dual Cable  
Non-NCR OCIA  
IBM 468X/469X  
CASIO SA 2100  
ICL 2001/2200  
ICL 9518/9520/9530  
SNI Beetle  
TEC MXXX

## Symbolologies

UPC/EAN/JAN  
Code 3 of 9 (39)  
Code 128  
IL 2 of 5  
Periodical Add-On Codes  
Multiple Label Read Mode  
Extended Coupon Code

## Patents Issued

5,229,588	5,256,865
4,868,375	5,144,114
4,575,623	5,152,355
4,797,551	5,065,842
4,851,667	5,023,818
4,253,018	4,656,344
4,272,675	4,715,457
4,282,426	4,716,281
4,679,154	4,760,539
5,194,722	5,459,308
5,276,316	5,531,293
5,334,825	D368,398
5,262,625	

## Patents Pending

PACESETTER 3



**NCR**

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[www.ncr.com](http://www.ncr.com)

NCR continually improves products as new technologies and components become available.  
NCR, therefore, reserves the right to change specifications without prior notice.

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Class IIa Laser Product – avoid long-term viewing of direct laser light.

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Patents Pending

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