

# Not only for processing 1D bar code but also 2D code sheets

## Bar code sheet reader NB-78TD



**With our NB-78TD,  
It's so easy to install and  
Connect a handy 2D scanner.**

Simply by attaching and connecting a handy 2D scanner to the top of NB-78TD, you can use it in four different ways as follows.



Safety cover  
For a handy scanner

- (1) 1D bar code sheet reader
- (2) 2D code sheet reader
- (3) 1D+2D combined bar code sheet reader
- (4) 2D handy scanner

**Supports reading of small-sized sheets  
Such as 50mm×50mm**

NB-78TD provides reading across the full range of paper size from 50mm (W) × 50mm (L) up to 150mm (W) × 210mm (L).

**Realizes error-free high efficiency online sheets processing based on two-way communication**

It achieves real-time, error-free sheet processing through online communication with a host computer via a PC.

**Eliminates concerns about overlooking of read errors with a 2-tiers stacker structure**

The equipped 2-tiers stacker delivers an error-free sorting capability to separate those sheets that could be read from those that could not be read, capable of making those sheets that have already been read with a "○" there is no more need to worry about read errors.

**Supports all types of bar codes.**


**And it processes a large volume of sheets**

**At a high speed.**

NB-78TD can read all of the existing bar codes that are currently in use. It is capable of handling a load of up to 250 sheets (high-quality paper of 64g/m<sup>2</sup>), and still processes them at a super high speed.

The figure with an asterisk (\*) in the above table may vary depending on the type of handy 2D scanner to be installed.

To improve the products, these specifications and the external appearance are subject to change without prior notice.



**Safety precautions**  
In order to safety and property use this product, read and follow all safety and operation procedures described in the Operating Instructions before use,  
Make sure to use and apply the correct power supply and voltage as specified therein. Also, ensure that the ground wire is properly connected. Failure to do so may cause personal injury including electrical shock.

Specifications of bar codes sheet reader NB-78TD	
Type	Desk Top bar code sheet reader
Paper feed method	Top paper feed with paper separation mechanism
Readable codes	1-dimensional codes: Code39, Code93, Code128, NW-7, JAN, 2-of-5, EAN128 2-dimensional codes: QR Code, Micro QR Code, PDF417, Maxi Code
Number of readable digits	Max. 256 digits (256 digits or less for a total number of digits of 5 bar codes)
Number of readable lines	1-line A maximum of 5 bar codes can be read.
Readable width	130mm (65mm on each side from the center)
Scanning rate/	800mm/s (paper feed speed),
Light source wave length	660nm (red LED)
PCS value/ bar height	0.6 or more, 7mm or more
Supported 2D handy scanners	Denso Corporation: QS20H
Reading speed	1-dimensional codes Max. 100 sheets/min. In two-way communication Max. 120 sheets/min In one-way communication (each for a minimum paper size with 10 digits and baud rates of 57,600bps)
	2-dimensional codes Max. 60 sheets/min. In two-way communication (for a minimum paper size with 10 digits and at baud rates of 57,600bps)
Paper loading capacity	25mm (about 250 sheets of high quality paper of 64g/m <sup>2</sup> )
Stacker capacity	Accept (25mm): About 250 sheets Reject (5mm): About 50 sheets (each for high quality paper of 64g/m <sup>2</sup> )
Paper	Width: 50mm-150mm Paper feed direction: 50mm-210mm Weight: 64g/m <sup>2</sup> -128g/m <sup>2</sup> Paper quality: High quality paper
Sensor functions	Detection of multi feed (double feed)/ no paper, paper jams, open covers, etc.
"Read" verification	Stamps a "○" (5mm in diameter)
Power supply / consumption	100VAC 50/60Hz 30W
Dimensions	Approx. 776(W) × 291(D) × 284(H)mm When a handy 2D scanner is installed.
Weight	16kg (body only)

**DUPLO CO., LTD**

3-10-10 Minami Otsuka, Toshima-ku, Tokyo  
170-8416 JAPAN