

2000 Automatic SMD Component Counter



Quick Overview

SMD Component Counter Speed up inventory & kitting. Faster and more accurate than manual counting.

Get on top of your inventory

The automatic 2000 SMD parts counter sets up and changes over quickly. Count out an entire reel or a specific number of parts to prepare for your next job, and know you have got the right amount thanks to the 2000 double-check feature. The 2000 is fast, too, capable of zipping through an entire reel of components in a minute and a half (including double-checking the count).

2000 SMD counter is ideal for inventory, stock checks, intake counts, pre-kitting and more.

Ergonomic and easy to use

The 2000 design allows the operator to keep an eye on both the LCD screen and the parts as they are being counted. Designed to prevent tape dropping, the 2000 counter protects tapes from damage during counting.



The machine is capable of counting forward and back (for double-checking), or parts can be swiftly spooled back to their original reel.

HOW IT WORKS

1. Power the machine

After powering up...

...the LCD displays: SMD CHIP COUNTER TTL-COU2000	...and changes to: YY MM DD HH : MM 20 04 12 03 14 : 30	...followed by: DATA PITCH SET 00000 1
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The startup self-checking process is finished at this time.

2. Keys and Settings

TIME key: Clock setting. Press this key shortly will display the date and time on the LCD. Press and hold it for 10 seconds will switch to time setting mode:

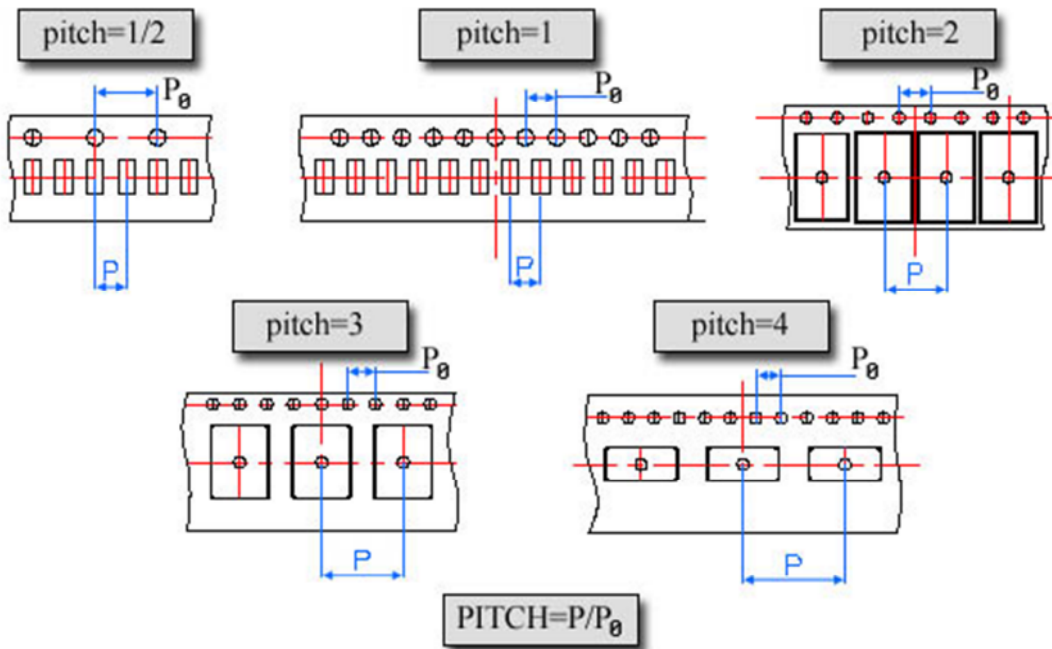
YY MM DD HH : MM 20 ** ** ** ** : **

Enter the current date and time. Press the TIME key again to exit. **POCKET CHECK** key: Press this key will start the missing components detection process. LCD will display a "@" symbol on the upper left corner. The machine stops and beeps if it detects an empty position on the tape. Press this key again will switch to normal operation mode. This function is available only on BC2100PT and BC2200 models.

@ DATA PITCH SET 00000 1

PRINT key: Print components quantity and current time. It can also print bar code. This function is available on BC2100P, BC2100PS and BC2200. It only prints positive numbers.

PITCH key: This key will set the tape pitch. According to EIA-481 standard, available pitches(P:PO ratio) are: 1/2, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14,...Press the PITCH key repeatedly till the LCD displays the required pitch.



It can be seen that pitch equals the number of punch holes between two parts (gaps between two holes are 4mm on all tapes). **PRESET** key: Press this key and enter the desired number. The machine counts to this preset number and stops. Pressing the key again will return to normal mode.

DATA PITCH SET
00000 1 1234

Note: Preset value is invalid if >59999.

CLEAR key: Reset the counter.

START key: Start the counting. Motors start moving, the tape transfers from one reel to the other.

STOP key: Stop counting.

REWIND key: Pressing this key rewinds the tape from the temp reel to the original reel. The counter decrements at the same time. It stops when the counter reaches zero. This also verifies the accuracy of the counting.

3. Operation

- Mount the reel to be counted on the left side. Make sure there is a temp reel on the right side. Manually lead the tape through the counting gears. Rotate the temp reel till the first component is aligned with the press wheel.
- Set the pitch value as specified above.
- Press the START key to start counting. Note: the counter increases or decreases whether it is moved by the motors or manually.



- Rewind the tape back to the original reel by pressing the REWIND key. Rewinding also verifies the counting result.

2000 Component Counter Features

- Count forward and backward
- Can complete a 7", 5000-part reel in 90 seconds (with pitch = 1)—including double-checking
- Double-check feature ensures accuracy
- Built-in memory allows you to preset count quantity
- Designed to prevent tape dropping, minimizing risk of damage to tapes
- Accommodates 7" and 13" reels
- Maximum reel diameter 18" (457 mm)
- A must at inventory time