



# Combi+ Manipulator (Q8030)

**Combi+ is a fast, easy to use, tablet-controlled safe lock manipulator for Opening Group 2 mechanical safe locks.**



This highly capable machine can open most mechanical safe locks, typically under an hour!

The Combi+ is easily installed, controlled via tablet and user friendly, walking the user through each step of the process.

It can open many different styles of 3 and 4 wheel safe locks to include UL-Listed Group II and other non-UL Listed mechanical safe locks.



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## Less than 60 Minute Average Opening Time

The Combi+ can manipulate most Group 2 three-wheel combination locks in less than 60 minutes. The finely tuned accelerometer can detect the contact points through the metal surface of most containers.



## Compatible with Many Lock Types

Generally, all 3- and 4-wheel Group 2 mechanical combination locks are supported.

Examples of supported locks include:

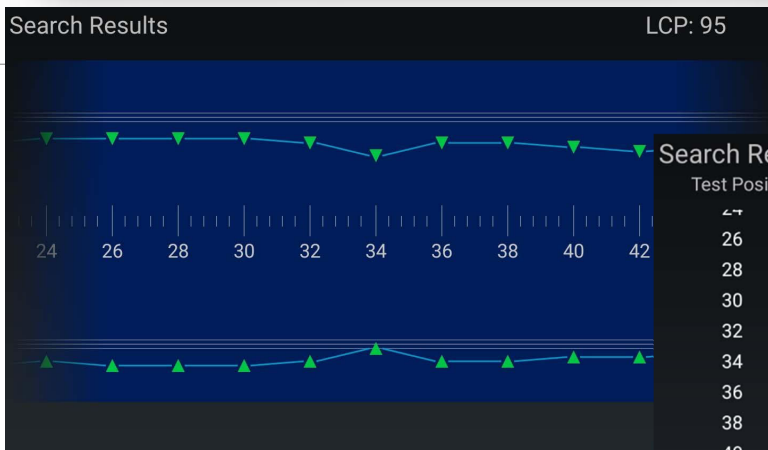
- S&G 6730
- S&G 6731
- S&G 6741
- LaGard 3330
- Big Red CDL - 3
- Big Red CDL - 4



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## Tablet Included

The Combi+ is controlled via a tablet which connects through Bluetooth and USB. All settings and controls are accessible in a powerful, easy to use app on the tablet. The Combi+ is configured through the app to set the contact points, select the dialing configuration and other user-defined parameters.



Search Results				
Test Position:	Left Contact Point		Right Contact Point	Delta
24	95.5	█	5.5	10.0
26	95.5	█	5.5	10.0
28	95.5	█	5.5	10.0
30	95.5	█	5.5	10.0
32	95.6	█	5.4	9.8
34	95.9	█	5.1	9.2
36	95.6	█	5.4	9.8
38	95.6	█	5.4	9.8
40	95.7	█	5.3	9.6
42	95.8	█	5.3	9.5
44	95.7	█	5.2	9.5
46	95.8	█	5.2	9.4
48	95.8	█	5.3	9.5
50	95.7	█	5.3	9.6

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## Features List:

- Finely tuned identification of Contact Points.
  - Self-graphing viewable results.
  - All Wheels Left, All Wheels Right and Single Wheel search modes.
  - Automatically adjusts gain for best clarity.
  - Save and recall lock parameters (forbidden zone, contact points, etc).
  - Ability to set ranges and increment values.
  - Pause and resume dialing.
  - Easy to set up in less than a minute.
  - Variable motor speed.
  - Combination preview list generation.
  - Historical data logging for review (may be cleared).
  - High strength magnetic base plate.
  - Installation and removal assist levers.
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## Technical Specifications:

- Combi+ Power Requirements: 100-240 VAC 50/60Hz
  - Supported Locks: Standard 3- and 4-wheel Group 2 Mechanical Safe Locks
  - Supported Dial Diameter: 1 1/4 in to 3 1/8 in
  - Supported Dial Height: 1 in to 1 3/4 in
  - Maximum Dial Ring Size: 3 7/8 in
  - Opening Time: Less than 60 minutes average time for 3-wheel locks
  - Tablet Range: Tablet must stay within 20-30 feet of the Combi+ to maintain connection
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## Combi+ includes the following:

- |   |                          |
|---|--------------------------|
| • Carrying Case                                 | • Universal Chuck        |
| • Combi+  | • Hex Key                |
| • Accelerometer                                 | • 110/220V Power Supply  |
| • Android-based Tablet (with pre-installed App) | • Flexible Coupler       |
|   | • Magnetic Charging Base |
|   | • Charging Cable         |