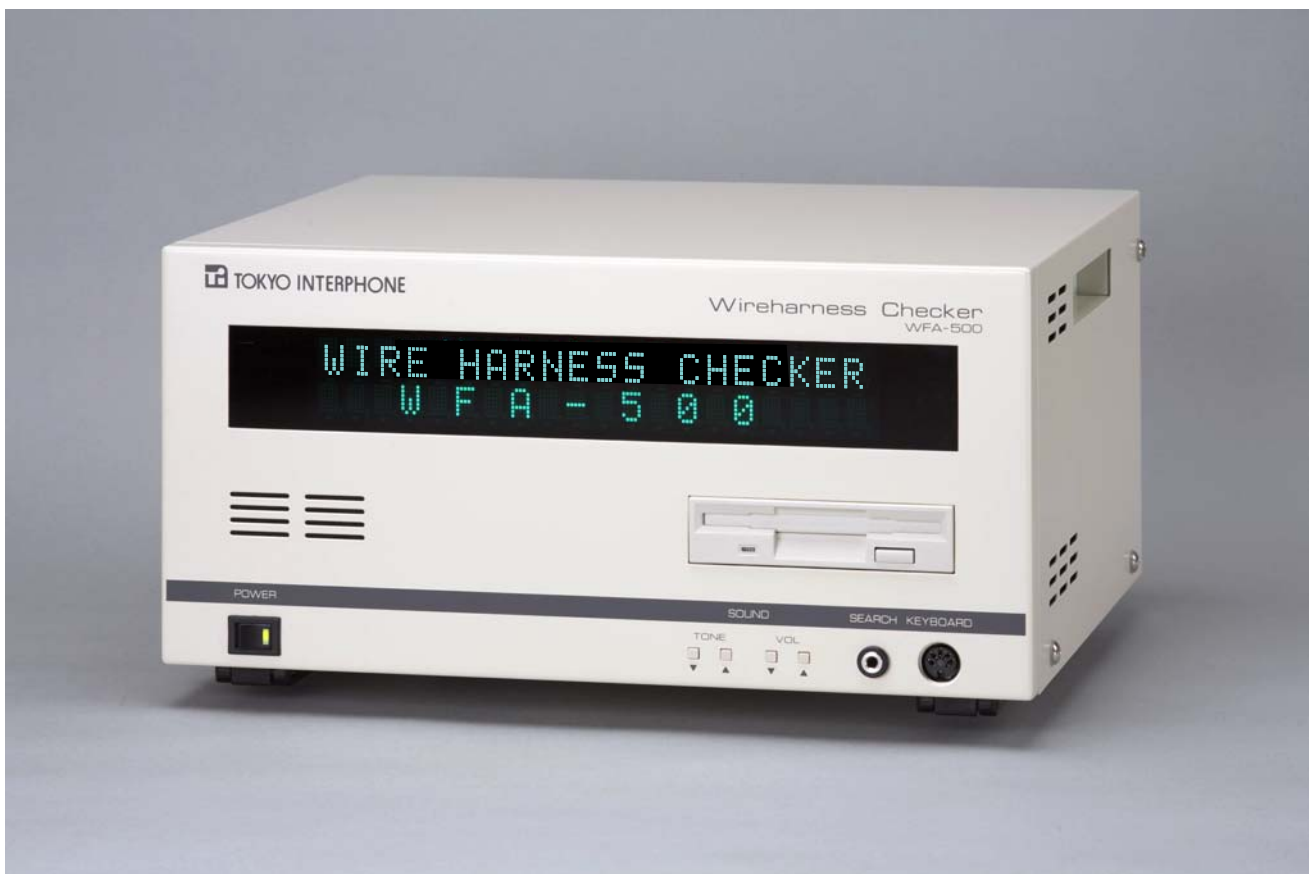3584 points Auto Programming System

WIRE HARNESS CHECKER

Continuity test machine for
Wire harness - Multi-core cable - Bearboard, etc.

WFA-500

- Convenient to place the separate type of main checker and scanner (WFS-501)

- Big capacity and high speed testing - 3584 points (connected 7 sets of WFS-501 scanners) at about 2 seconds.

- Select the right data in a moment out of the 1500 kinds of connection data just by inputing the data number.

- Store the test data in the machine for half a year.

TOKYO INTERPHONE CO.,LTD.

Easy to use - High reliability - Fully packed test functions

Special features

1. Plentiful test functions

- **Multi-Step Test**
  Only when a test piece was passed the test, namely, "OK", the connection data will automatically be switched to the next test in order (up to 10 steps).

- **Instantaneous Open Error Test**
  Tests an uncetain connection by adding shock like a vibration, bending, etc.

- **Monitor Test**
  When detected a mix or short circuit on the way of connecting the test piece, an alarm sound to be heard.

- **Diode Test**
  In case of including diodes on the test circuit, this machine tests the forward and reverse continuity, switching the polarity of the voltage.

2. Very understandable screen

The 2 line and 20 digit fluorescent display tube indicates the operation and test results with the combination of the numerals and letters easily.

If there is an error, the sceen displays the kind of error ("O"- Open ,"S"- Short , "M"- Mix) and its place. (Possible to indicate with a terminal name input in advance)

3. Create and edit of connection data by your PC

By using a "Connection data create program WED-500" (option), the creation and edit of connection data can be done effectively with your PC. (Hardware requirement : Windows 2000 / XP)

4. Recording of test results

Saves the date, time, and the results of each test for half a year. The recorded contents can read out day by day or specified range of days. Further, the data can be managed with your PC or write the data to a floppy disk or can print out.

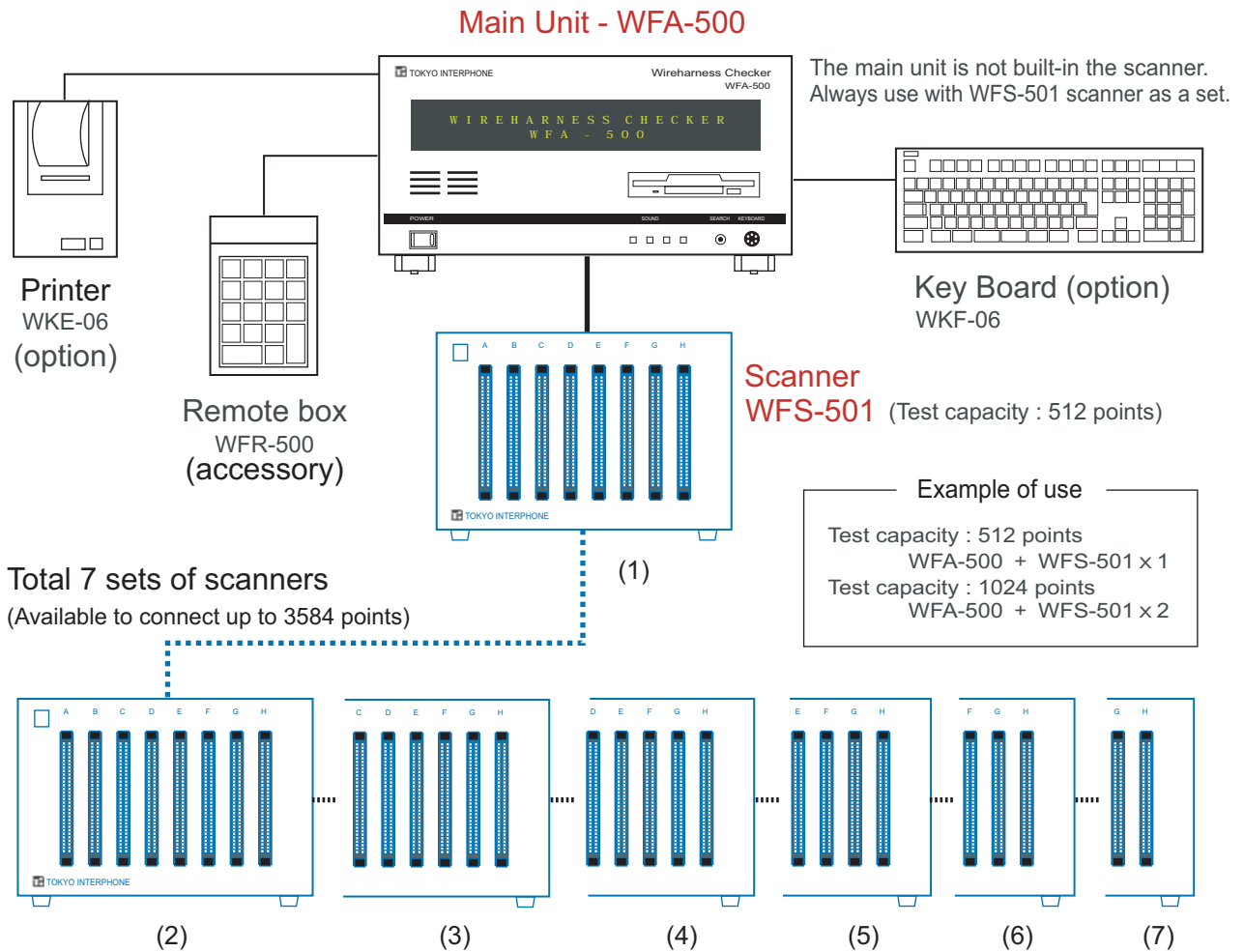### 5. Management of test work by bar code

You can manage the test work by using a bar code reader.
Example : After reading the product code, serial number, start the test $\longrightarrow$ Record and save the read-in information and test results.

6. Simple and easy to operate

The operation neccessory for testing (like a selection of connection data, etc.) can be done quickly by using a remote box.
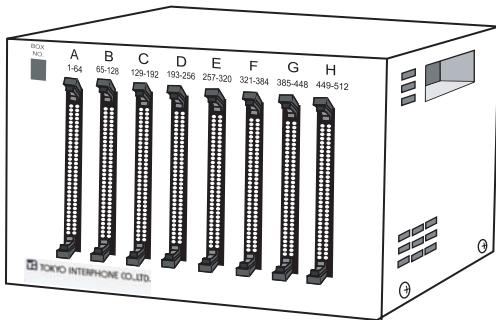
Composition

Main Unit - WFA-500

The main unit is not built-in the scanner.
Always use with WFS-501 scanner as a set.

TOKYO INTERPHONE   Wireharness Checker   WFA-500

WIREHARNESS CHECKER
WFA - 500

POWER   SOUND   SEARCH   KEYBOARD

Printer
WKE-06
(option)

Remote box
WFR-500
(accessory)

Key Board (option)
WKF-06

Scanner
WFS-501 (Test capacity : 512 points)

(1)

Total 7 sets of scanners
(Available to connect up to 3584 points)

```
┌─ Example of use ──────────────────┐
│  Test capacity : 512 points        │
│          WFA-500    WFS-501    1   │
│  Test capacity : 1024 points       │
│          WFA-500    WFS-501    2   │
└────────────────────────────────────┘
```

(2)   (3)   (4)   (5)   (6)   (7)

Specifications

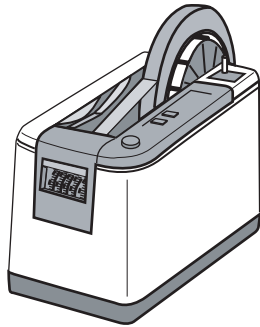|	
Test point capacity	: 512 points to 3,584 points (Unit of 512 points)
Test time	: About 2 seconds for 3,584 points
Sensitivity (set up)	: 100 / 300 / 1K / 3K / 10K / 30K / 100K
(Open / Short judge value)	
Capacity between wires	: Less than 0.1μ F
Self-check	: Self-check starts when switched on the power
Connection data for testing	: 1500 data (saved)
	File name : within 10 letters
	Terminal name : Less than 8 letters
Test start mode	: Automatic or Manual mode by setting up
Floppy disk	: 3.5 inch 2HD floppy disk
	Reads16 data at one time
Hard Disk	: Built-in hard disk
Interface	: Centronics interface
	Key board interface
	RS-232C
	OK output (0ff to 10 seconds, valiable 0.1 second unit)
Screen (display)	: Letter height : 11.8mm 2 line, 20-digit fluorescent display tube
Clock	: Bult-in crystal clock with calendar
OK counter	: 1 to 9999
Test voltage	: DC 15V
AC power	: AC85V to 132V or AC170V to 264V/ 90VA
Working temperature	: 0 °C to 40 °C
Dimension / Weight	: 345 (W) x 177 (H) x 290 (D) mm (except extrusions) / 9 Kgs.

Scanner   WFS-501

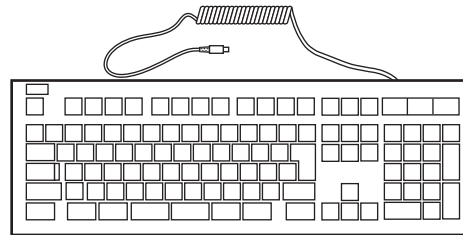| Function	: Test piece connecting section
Point number	: 512 points
Accessories	: 2-meter flat 64P jig cable x 8
	1-meter cable for WFA-500 x 1
Size / Weight	: 265 x 177 x 250 mm / 6 Kgs.

Printer   WKE-06

- Function   : Print out of connection data, test results, etc.
- Features   : High speed printing, light weight
- Interface   : Centronics interface
- Accessories : Connection cable, AC adaptor
- Dimension : 106(W) x 106(H) x 180(D) mm
- Weight   : 0.5 Kgs.

Tape cutter   WTC-100B

- When the test object (wire harness) is passed the test, a fixed length of tape will come out and paste a "OK" mark to the object.
  (The tape length : 1 ~ 15 cm adjustable)
- With a buzzer for tape cutting error.
- Tape roll   : Cellophane tape (1 or 3" inner dia.)
- Dimension : 91(W) x 128(H) x 178(D) mm
- Weight   : 1.3 Kgs.
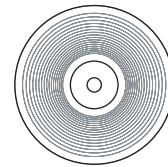
Key board   WKF-06

- Input of connection data, data change, and confirmation
  (Possible to input the alphabet, numeral figures, abd marks)
- Dimension : 470(W) x 35(H) x 175(D) mm
- Weight   : 1.4 Kgs.

■ Connection data creating program   WED-500

(Hardware requirement : Windows 2000 / XP)

Edit function : Connection table - Terminal name list - File name - Edit of test name - Copy of connection data - Shift - Delete - 1:1 connection table auto creating - Check of connection table / terminal name list, etc.

WED-500 Program CD

Possible to produce your special specification model on request.
Specifications to be changed wihtout notice for improvement.

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