Double Head LCD Repair Bonding Machine

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Content

Part 1: MD-880DH Specification ........................................ 3
Part 2: Accessories List ..................................................... 6
Part 3: Training ................................................................. 8
Part 4: Packaging and Shipping .......................................... 9

Demo video:  https://youtu.be/OeMWBkElnj8
Part 1: MD-880DH Specification

Double Head Manual Platform Automatic Pressure

1) Equipment Model Number:
   MD-880DH  (Double Head)

2) Device Description:
   Repair screen machine / Bonding machine

3) Device Uses:
   FPC、COF、TAB、LCD Panel and PCB combination bonding

4) Applicable LCD panel specifications:
   15”-65”

5) Applicable LCD panel thickness:
   0.3MM-1.1MM [Single glass]

6) Bonding IC number:
   Multiple / Panel  Can be set

7) Bind direction:
   X or Y Indirection

8) Bonding IC size:
   Replaceable blade according to IC specifications (The original machine is equipped
   50(L)*1.2(W)*10(H) mm and 50(L)*2.0(W)*10(H) mm two heads)

9) Device processing time:
   TFT，3.8S/chip

10) Production Beats:
    TAB，100 pcs/H

11) Bonding Accuracy:
    Within ± 1.5μm (support 4K screen)

12) Highest positioning accuracy setting:
    ±0.5μm (Currently domestic the highest index)

13) Equipment requirements the work environment:
    Clean, No dust, Clean room
14) Supply Pressure:
0.5~0.7Mpa (Dry air source)

15) Power Supply:
AC 220V±10%，50HZ，1200W

16) Cylinder Device:
Japan SMC original thin cylinder MXS20-75/MXS20-100

17) Heating Type:
Pulse (rapid heating / cooling and auxiliary cooling function)

18) PID Temperature Control System:
Brand: YUDIAN (516 model)
Adjustable heating curve precision PID self-tuning type
The peak temperature: within +/- 3 degrees Celsius
Room temperature time to 180 degrees the response time within 2-3 seconds

19) Hot pressing head:
Materials: Japan Titanium
Origin: United States
Head Size:
Left for glass side: 50(L)*1.2(W)*10(H) mm
Right for PCB side: 50(L)*2.0(W)*10(H) mm
Plane precision (hot press side): 0.001mm
Plane thickness 0.5 (Reserved 3 times grinding)

20) Thermocouple Type:
K type   Original US OMEGA wire

21) Industrial control units / Programmer:
Import Panasonic PLC FX—C40T

22) Image unit:
Panasonic image processing system
COF counterpoint: down counterpoint
PCB counterpoint: have
Number of lenses: 2
Microscopy: 30-120 Continuous zoom
COF Display: 19-inch HD
PCB counterpoint the display: None
Upper light source: have
Down light source: have
23) COF trimming unit:
Origin: Taiwan
Rail Type: U-rail (2056 high)
Accuracy: 0.01
Adjustable direction: X/Y/R
R Itinerary: Coarse 360 degrees, fine tuning +/- 5 degrees

24) COF Fixture:
COF mechanical clamping type, Z tilt radius micrometer trimming

25) Lens spinner unit:
Control mode: X / Y / Z micrometer control
Focus Adjustment: Manually adjust the focus

26) Position detection: None

27) Silicone / Teflon:
Manual switching position

28) LCD stage (platform):
Manual sliding or fixed optional, automatic stage can be customized

29) Alarm device:
Pressure abnormal/ temperature anomalies / thermocouple abnormal / action abnormal

30) Hot press head counterpoint:
Cylinder stop can be set at any position in the vertical direction

31) Control mode:
Touch screen + button operation   Using Taiwan's Wei Lun touch screen dual-core

32) Parameter setting:
According to the need to set up Store multiple sets of hot pressing parameters

33) Rated voltage:
180-220 (customizable 110V)

34) Peak power:
400-1100W (Supports 68X1.5X10 lengthened tool bit)

35) Maximum power:
1100W
36) Actual power:
580W

37) Body size:
1800X1200x1520 mm (L*W*H)

38) Machine weight:
300KG

Remark: MD-880DH, is our company in the R&D process, according to maintenance staff tailored high-end products, machine not only in the accuracy of the temperature and the mechanical accuracy do the precision design, the procedures also increases the glass and circuit board parameters direct selected function, working pressure automatically switch, greatly facilitate the technical staff selected the parameters, increased the tool bit preheating function, to ensure that the machine at any temperature difference can ensure heating rate and temperature accuracy, the bonding effect reached factory-class level, high bonding excellent rate, low repair rate, this machine is the maintenance and after-sales staff preferred the classic model.

Part 2: Accessories List

These accessories will send with the machine as gift.
Almost includes all tools and materials needed by bonding process.

<table>
<thead>
<tr>
<th>No</th>
<th>Name</th>
<th>Picture</th>
<th>Model No.</th>
<th>Quantity</th>
<th>Unit</th>
<th>Specification</th>
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<td>1</td>
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<td><img src="image1.png" alt="ACF Picture" /></td>
<td>AC-7206U-18</td>
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<td>Pcs</td>
<td>1.5X50M Glass special</td>
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<td>Acetone Liquid</td>
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<td>Absolute Alcohol</td>
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<td>Hitachi Blue Glue</td>
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<td>Optical Microscope</td>
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Part 3: Training

Plan A. Training in Factory

The factory is located in Guangzhou, China. If it is possible for your technician to come factory (in Guangzhou, China), welcome to visit and take training at our factory. We will provide 3~4 days free training, not only teach you how to use the machine, and also teach you the whole process and details.
Plan B. Training Videos

If you cannot come to our factory for the training, we also provide another training method. After you have bought the machine, we will send you the Training Videos. Training Videos screenshot shows as below:

Part 4: Packaging and Shipping

Before shipping, the machine will be disassembled in to two parts: The machine body and platform. And will put them in two wooden boxes.
Minder HighTech

MD-880SH
MD-880DH

PACKAGE

Machine Body
Size: 1270*870*1690 mm
Weight: 350 kg

Machine Platform
Size: 1940*220*980 mm
Weight: 110 kg

Packaging and Shipping

1. Accessories inventory list
2. Disassemble the platform
3. Protective film package
4. Dedicated box package
5. Safe transport instructions
6. Platform packaging
7. Wooden box packaging
8. Lifting board loading
9. Dedicated forklift loading