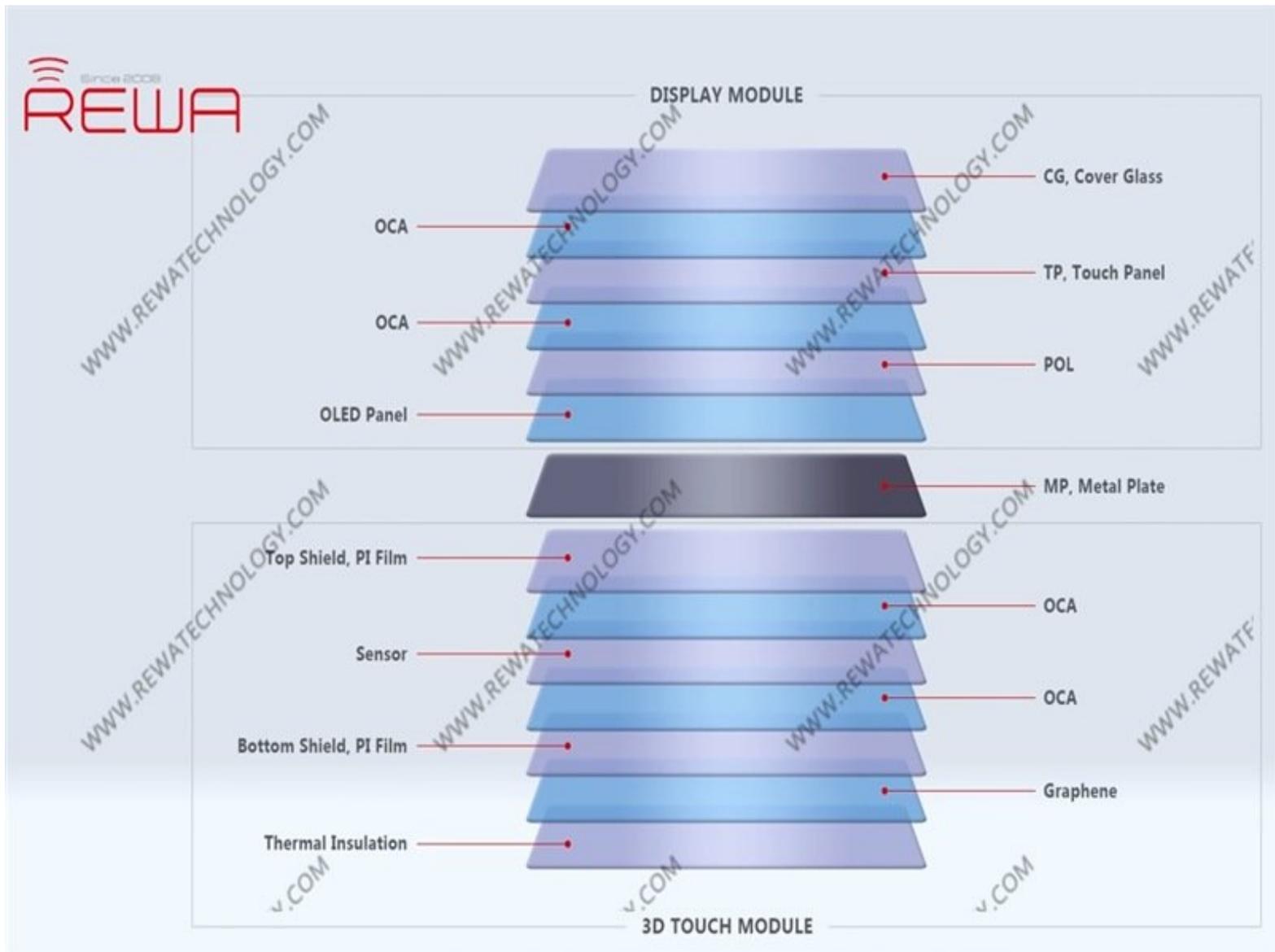




iPhone X OLED Screen Teardown

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INTRODUCTION

Laminating process of iPhone X OLED screen is much complicated than LCD screen. Fit OLED with TP for the first time, then fit OLED with 3D Touch for the second time. The whole process counts more than 15 procedures.

Step 1 — Screen Testing



- Test the iPhone X screen before tearing down. Run function test - Display; Touch; 3D Touch and Swipe-up. All going well.

Step 2 — Bezel Removing



- Place the OLED Screen Assembly on the Heat Platform. Remove bezel slowly with Pry Piece and Glue Cleaner. Cut a plastic horn of the bezel with the blade if necessary and then remove bezel with Pry Piece and Glue Cleaner carefully.

 Be careful with flex cables when removing bezel in the flex cable area.

Step 3 — Glass Separating



- Place the OLED Screen Assembly on the Heat Platform. Separate the glass lens from OLED with cutting wire. We are working with one OLED flexible screen, so be careful with your handwork.

Step 4 — Glue Removing



- Glue removing for iPhone X screen can be applied with hand tearing

Step 5 — 3D Touch Layer Removing



- Different from Samsung smartphones, iPhone X has its 3D Touch module adhered behind OLED backplane.
- Different from all iPhone previous versions, the 3D Touch module of iPhone X is bonded to the OLED panel.
- To fully analyze its structure, we took a disruptive disassembly of the 3D Touch module.
- The 3D touch and TP flex bonding are also separated after the disassembly.

Step 6 — OLED Screen Structure



- Here is the structure of iPhone X OLED screen.

Step 7 — Video Guide



- This video presents novelty, disassembly difficulties and structure analysis of iPhone X OLED screen.
- Credit: [REWA Technology](#)