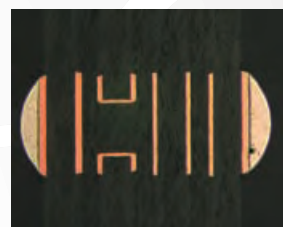
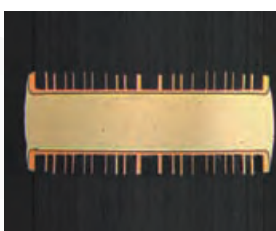
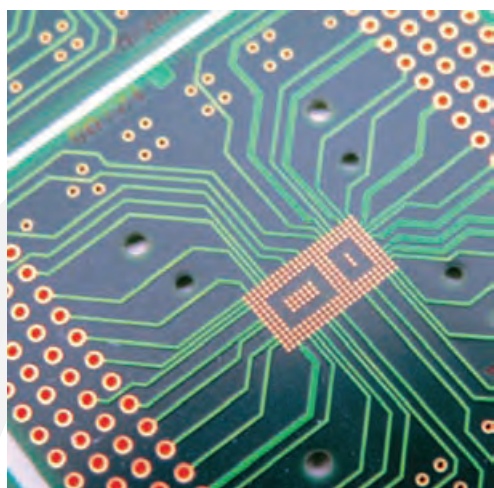
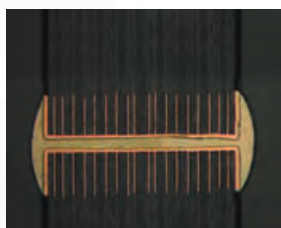


ALWAYS CLOSE TO YOUR NEEDS!



Rigid-flexible PCBs

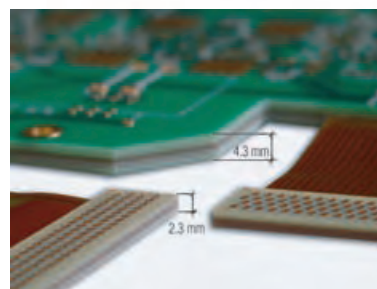
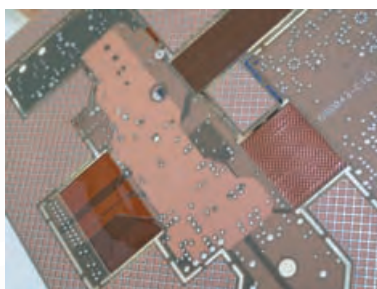
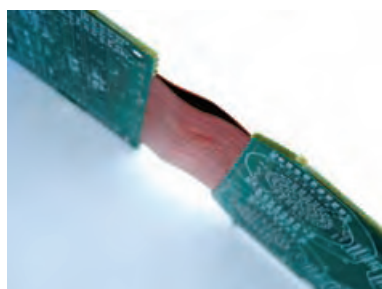
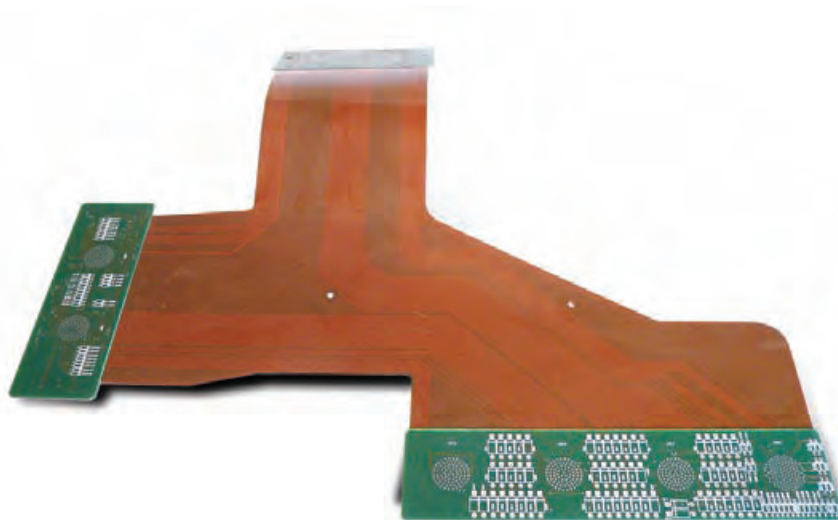


## Rigid-flexible PCBs

**Production plants:**  
Elco Italy

**Description:**

The process technologies implemented and the in-depth product knowledge have allowed Elco to increasingly make its name in the production of rigid-flex printed circuitboards of up to 24 layers.



**Technical Data:**

**Construction**

- FR4 Std Tg 135°
- FR4 Medium Tg > 150°
- FR4 Hi Tg > 175°
- Polyimide
- Insulation Polyimide:  
25 µm, 50 µm, 70 µm

**Dimensions**

- Maximum pcb thickness: 6.5 mm
- Maximum board Dimension:  
640 x 570 mm

**Surfaces finishing**

- Organic copper passivation
- Hot air levelling (HASL)
- Electroless nickel/gold
- Electroplated nickel/gold
- Other surfaces on request

**Solder Masks**

- Screen printing of solder mask (uv-drying)
- Peelable solder mask

**Special Printings**

- Carbon
- Marking print

**Track Width/Space**

- Standard: 100 µm
- High Tech: 75 µm
- Next Step: 50 µm

**Drill Diameter (mechanical)**

- Standard : 200 µm
- High-Tech: 150 µm
- Next step: 75 µm

**Contour Processing**

- Milled
- Scored (contour or perforation)
- frame possible (delivery in rigid form)

**Impedance Check**

- On request
- Tolerance of impedance: ± 10%

**Tests**

- Automatic-Optical-Inspection
- 100 % electrical test
- Special check on request
- Visual inspection

**Quality Controls**

- Guarantee of custom-designed quality standards and production according to international guidelines:
  - Vision 2000 - CNES - AS9100B
  - EN9100:2003/S1 - JISQ9100:2004
  - UL Certified: 94V-0 up to 130°