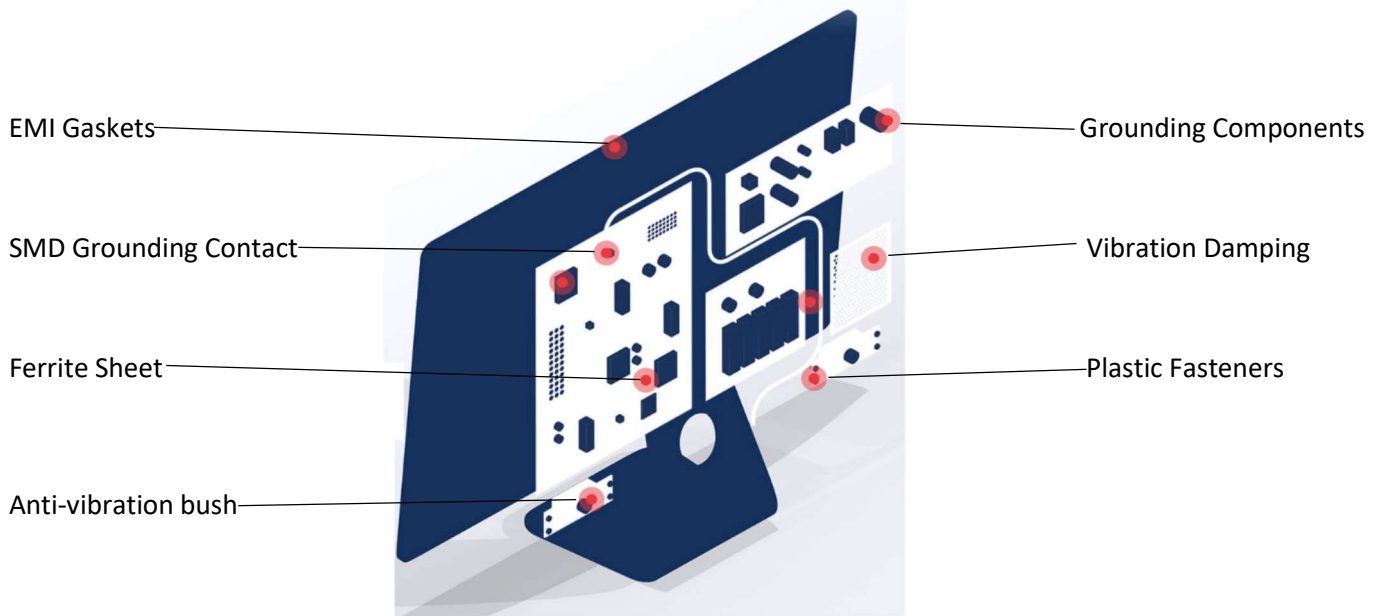


## APPLICATION EXAMPLES

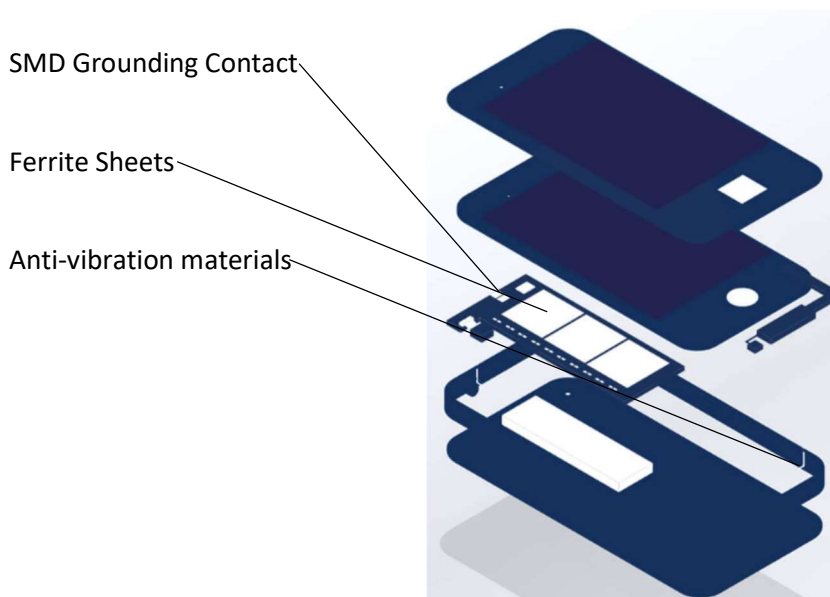
### Flat Screen TV/Displays

With today's technology, displays and flat-screen TVs are developing towards high density, high resolution, energy-saving, high brightness and larger screens. To meet market requirements PCBs need to accommodate more components to fulfil advanced functionality. Thus, greater risk of EMI arises.



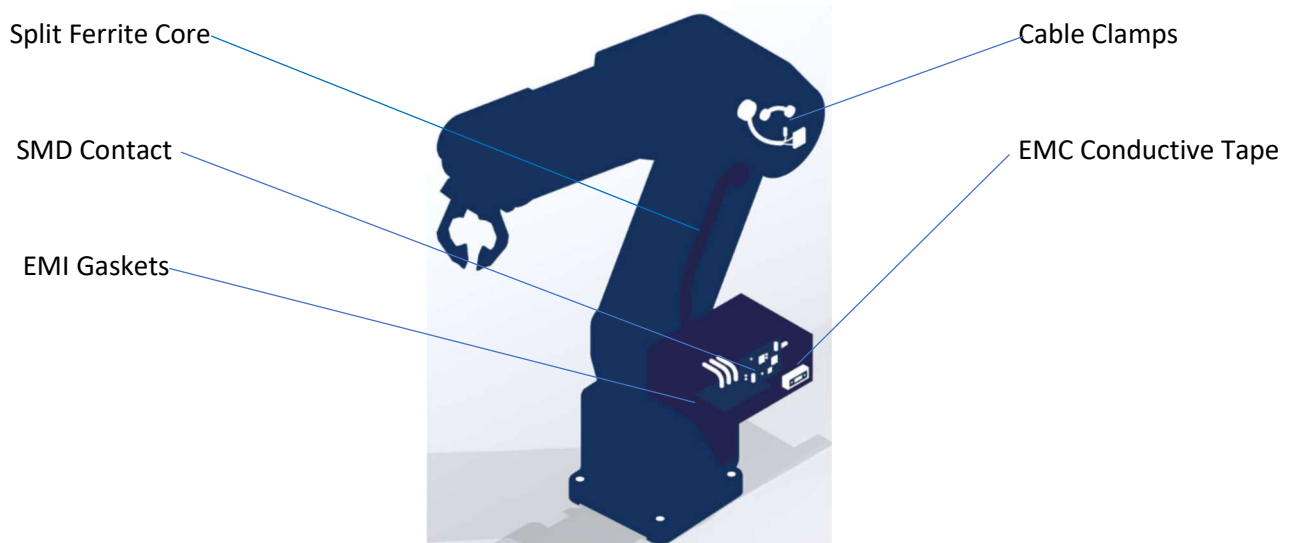
### Smartphones

Today smartphones provide many features similar to that of a computer, including similar software applications, data communications, Wi-Fi, TV and imaging processing. Thus, solutions need to be multifaceted, providing a reduction in weight, reducing shock and vibration and solving EMC issues.



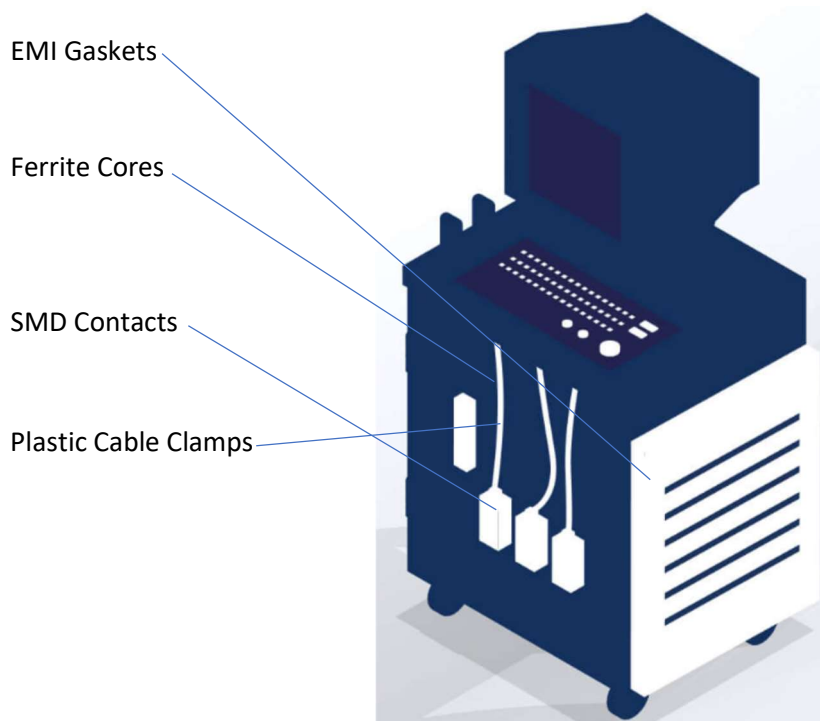
### Smart factories/Industrial Robots

Advancements in communications technologies have made it possible to transmit more data at high speeds, allowing industrial equipment to perform a variety of tasks. In order to perform more complicated tasks, there is an increase in the number of moving parts and a greater need to control these parts via sensors etc.



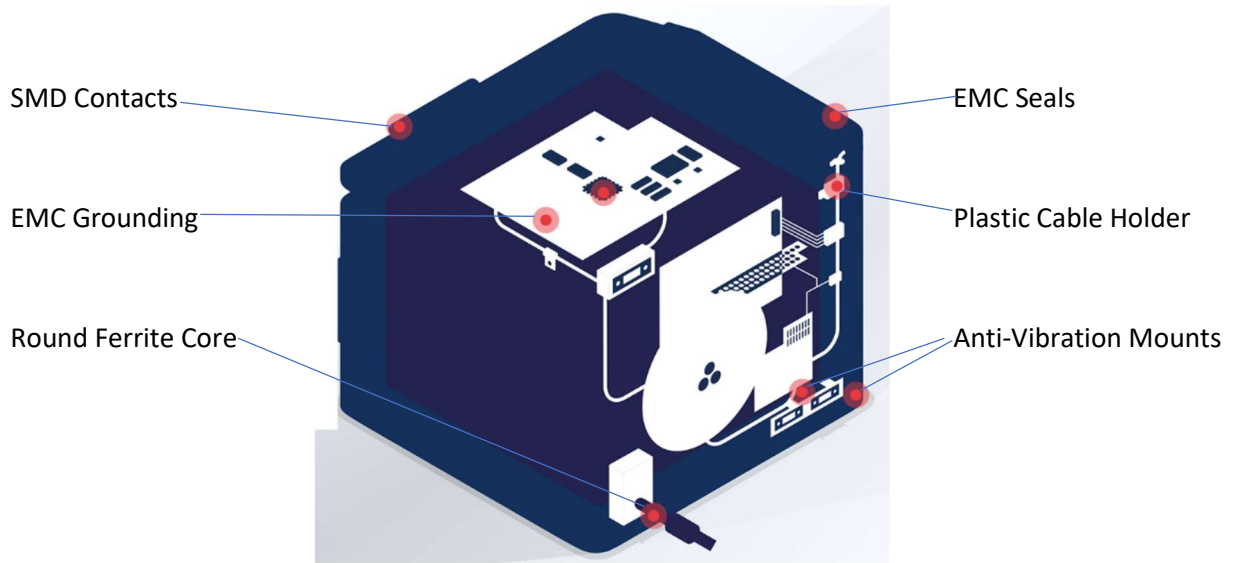
### Medical Equipment

The demand for medical devices has increased as technology has become more innovative. With the new technologies and complex designs, EMI from radiofrequency sources may cause medical devices to malfunction, raising concerns about patient safety.



### **Multi-function Printer**

Incorporates the functionality of multiple devices in one. The different functions create concerns for designers which include noise immunity, electromagnetic interference (EMI) and electrostatic discharge (ESD). We offer a wide range of ferrite cores with excellent impedance performance for EMI suppression.



### **Electric Vehicle**

The growth of battery power and digital driving systems will create a place for electric vehicles. Wide variety of solutions available for EMC problems arising from use of electric motors/batteries.

