

Introduction

AGD's EMI shielding service is for customers who need to block electronic interference between their LCD and the equipment that may negatively affect it.

EMI (electromagnetic interference) film provides "immunity" for electronic components that are susceptible to EMI interference. Typical EMI shielding integrations involve installing a metal box to protect the vulnerable unit.

AGDisplays has several mesh and film solutions that allow for a passive LCD installation that will not intrude on electrical components or power consumption.

When To Use This Service

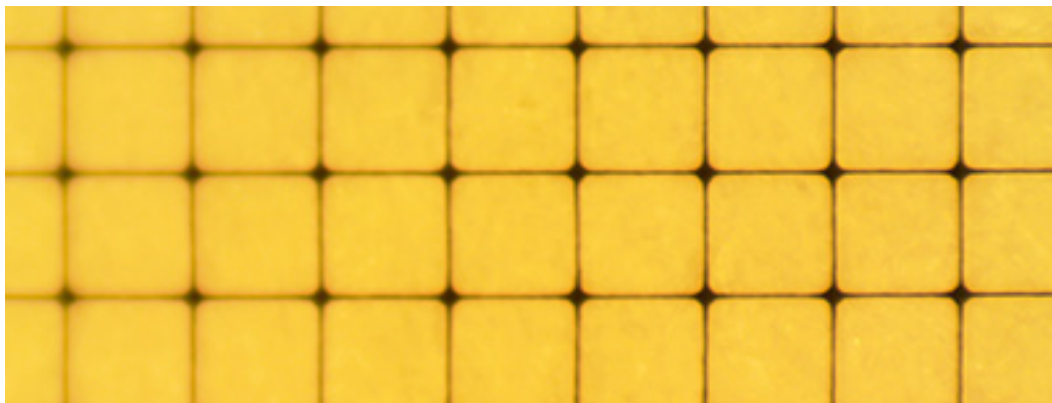
- Does your unit function improperly when in the vicinity of other equipment?
- Is your unit limited in available design size requirements?
- Do you need a solution without interfering with electronics of your unit?

Prepare Details

- LCD part number
- Existing components, ex: touchscreen
- Ohm per square (opi) shielding level, if known
- Level of protection/attenuation needed (decibels)
- Regulatory standards required

Industries

- Avionics
- Financial
- Marine
- Marketing
- Medical
- Military
- Point of Sale
- Transportation



About EMI Shielding

Why EMI?

- EMI waves passing through the air interferes with proper equipment operation.
- EMI protection provides optimum optical performance
- Makes display/touch screen RFI compliant
- AGDisplays has multiple EMI mesh solutions, depending on your application's requirements
- Film solution provided for panels needing low attenuation (10-30 dB)
- Mesh solution provided for panels with high level of protection

Customer Benefits

- Service installs new EMI shielding or replaces existing EMI system
- Custom level of protection based off of customer need
- Film is a cost effective solution that does not involve an active enhancement
- Film integration is quick and easy, requiring no redesign, allowing for fast production
- Micromesh solution considered active enhancement—giving a robust level of protection
- Other options are available for design, such as ITO film