

# MSAP

## 半加成法工艺

对于细线路而言，MSAP是一种经济高效的工艺来帮助达成高度自动化，高产量和精益生产。MacDermid Alpha提供一个组合方案涵盖了每个工艺。请询问MacDermid Alpha 代表介绍 MSAP

### 减铜

CircuEtch 100

### 雷射钻孔前处理

MultiBond 500

### 雷射钻孔后处理

CoreClean

### 初级金属化

Systek Desmear  
Shadow LE, Eclipse LE  
M-Copper Series

### 雷射钻孔后处理

MultiPrep 200

### 干膜显影剂

Developer 45 Plus

### 图形电镀与填孔电镀

MacuSpec AVF  
MacuSpec VF-TH

### 剥干膜

UltraStrip LDI

### 差异性蚀刻

CircuEtch 200

### 内层压合前处理

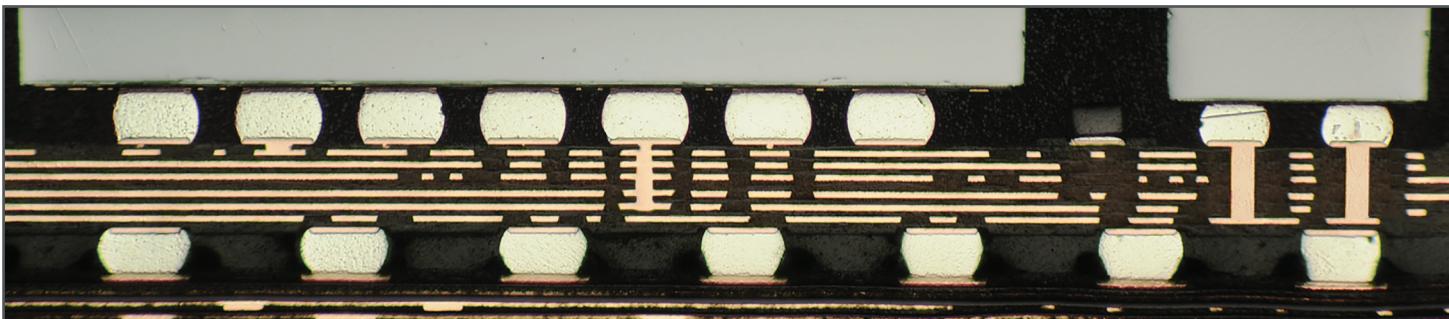
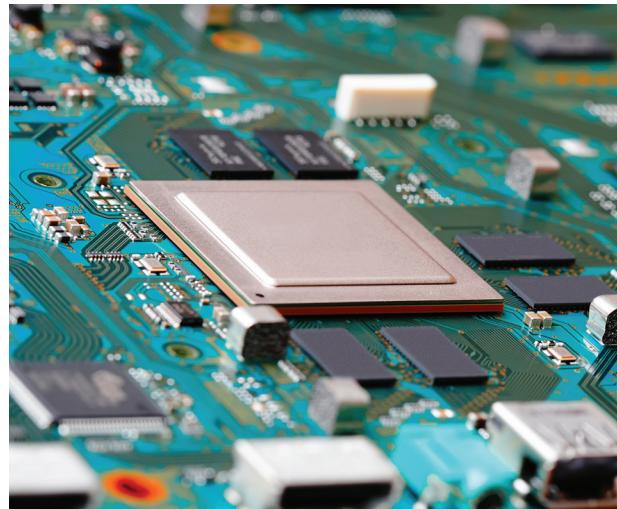
MultiBond 500

### 防焊绿油前处理

MultiPrep 200

### 最终表面处理

ENTEK PLUS HT  
Affinity ENIG/ENEPIG



macdermidalpha.com  
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