

Performance of ULF coated drill



ULFコートドリル加工事例

$\phi 0.075$ Ultra micro-hole drilling performance

Work material: **DS-7409HG B (GE)** (halogen-free material)
t0.2(Double sided 4/4 μ mCu) **2 panels / stack**

Entry sheet: FAE5040S

N:350,000 min⁻¹ F:1.75 m/min f:5 μ m/rev

Set life:10,000 hits

Work material : DOOSAN CORPORATION ELECTRO-MATERIALS BG.
Entry sheet : SUN ALUMINIUM IND, LTD.



ULF ϕ 0.075

application: FBGA / BGA / device substrate etc...

ULFコートドリル ϕ 0.075mm 加工事例

用途: 半導体パッケージ、各種デバイス用基板 等



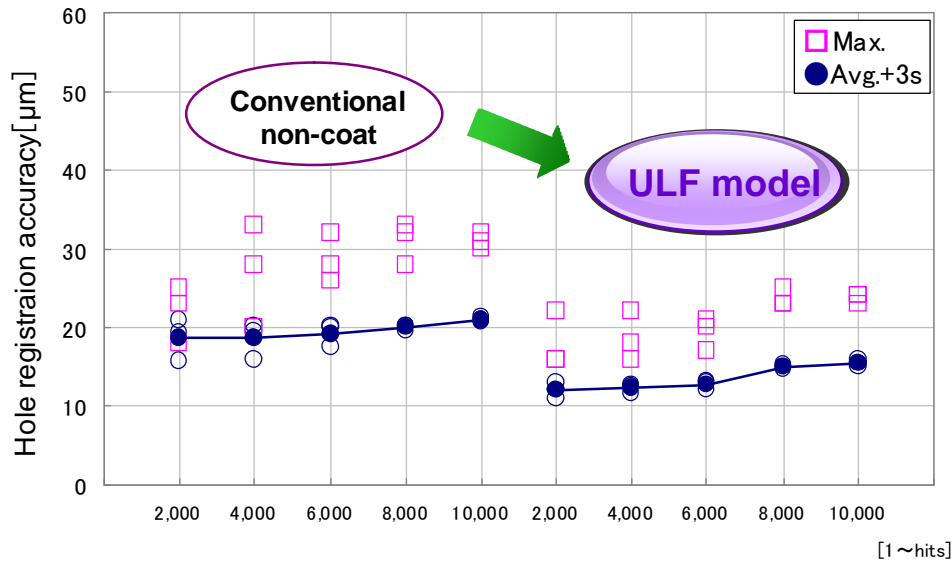
Drilling condition [加工条件]

Work material : **DS-7409HG B(GE)** t0.2 (Double sided 4/4 μ m copper) **2 panels / stack**
 Entry sheet : FAE5040S Back-up board : PS-1160QS
 N : 350,000 min^{-1} F : 1.75 m/min f : 5 μ m/rev Set life : 10,000 hits

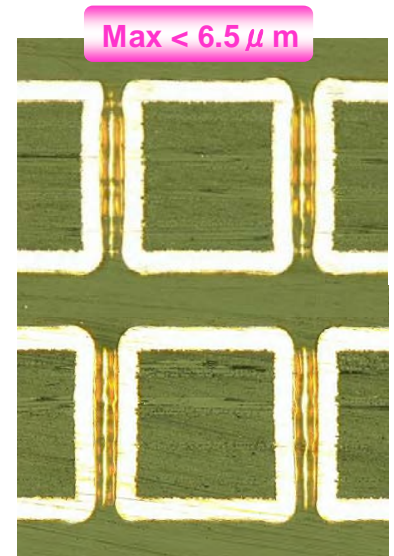
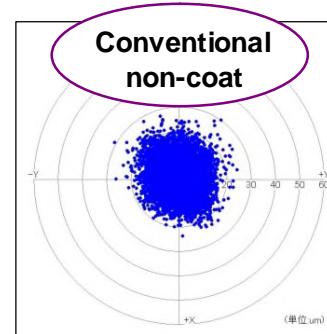
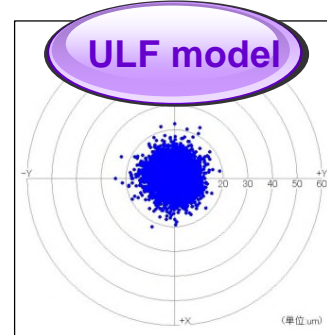
Promising hole quality!
 安定した品質の確保を実現

Performance of ULF coated drill [ULFコートドリルの性能]

Hole registration accuracy [穴位置精度]



Hole wall roughness [内壁粗さ]



Work material : DOOSAN CORPORATION ELECTRO-MATERIALS BG.
 Entry sheet : SUN ALUMINIUM IND, LTD.