

Performance of ULF coated drill



ULFコートドリル加工事例

$\phi 0.25$ Micro-hole drilling performance

Work material: **R-1515W** (Halogen-free material)
t0.8(Double sided 12/12 μ mCu) **5 panels / stack**

Entry sheet: LE-G0612

N:160,000 min⁻¹ F:3.2 m/min f:20 μ m/rev

Set life:6,000 hits x 3 = Total 18,000hits

Work material : Panasonic Electric Works Co., Ltd.
Entry sheet : MITSUBISHI GAS CHEMICAL COMPANY, INC.



ULF ϕ 0.25

application: FBGA / BGA / HDI etc...

ULFコートドリル ϕ 0.25mm 加工事例

用途: 半導体パッケージ、ビルドアップ用内層コア材 等



Drilling condition [加工条件]

Work material : R-1515W t0.8 (Double sided 12/12 μ m Copper) 5 panels / stack

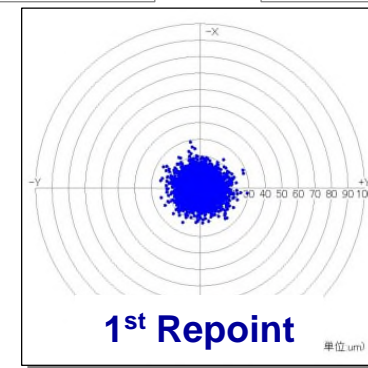
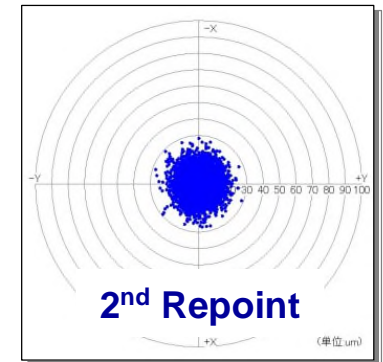
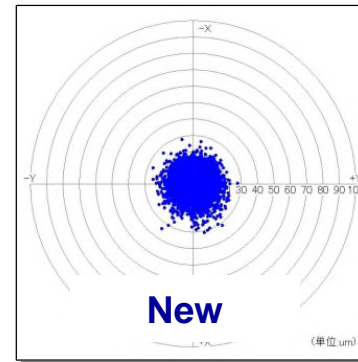
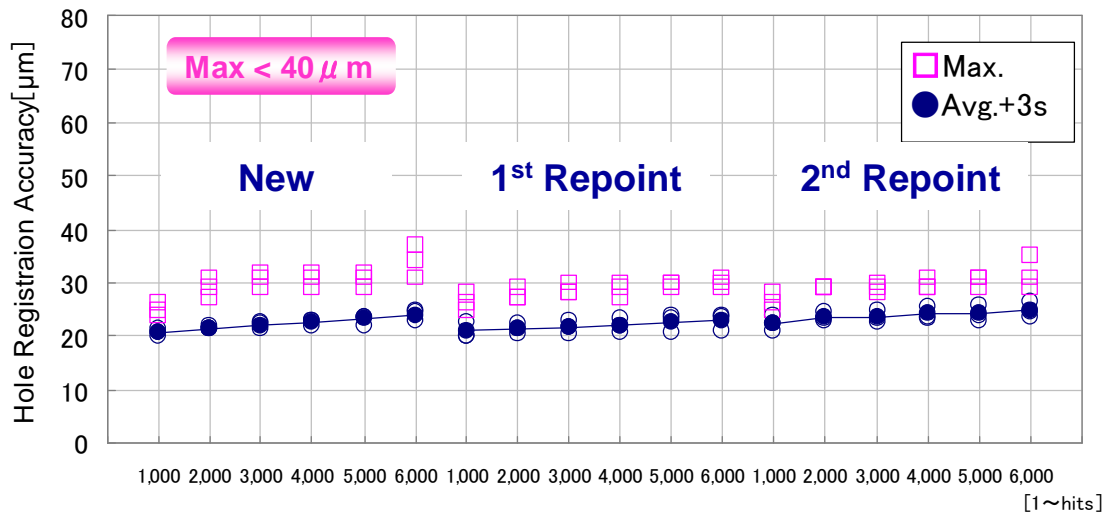
Entry sheet : LE-G0612 Back-up board : SPB-CM

N : 160,000 min⁻¹ F : 3.2 m/min f : 20 μ m/rev

Set life:6,000 hits x 3 = Total 18,000hits

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

Hole registration accuracy [穴位置精度]





ULF ϕ 0.25 for FBGA / BGA / for HDI etc...

ULFコートドリル ϕ 0.25mm 加工事例

用途: 半導体パッケージ、ビルドアップ用内層コア材 等



Drilling condition [加工条件]

Work material : R-1515W t0.8 (Double sided 12/12 μ m Copper) 5 panels / stack

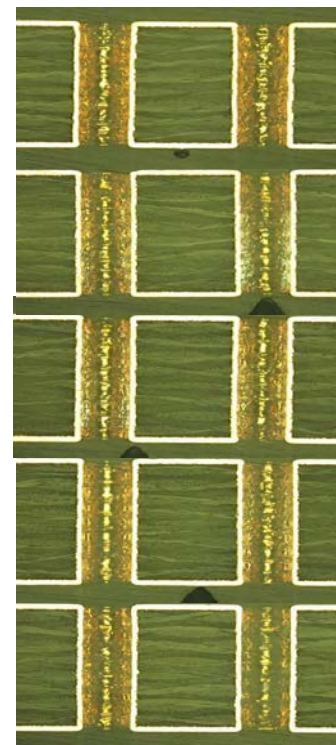
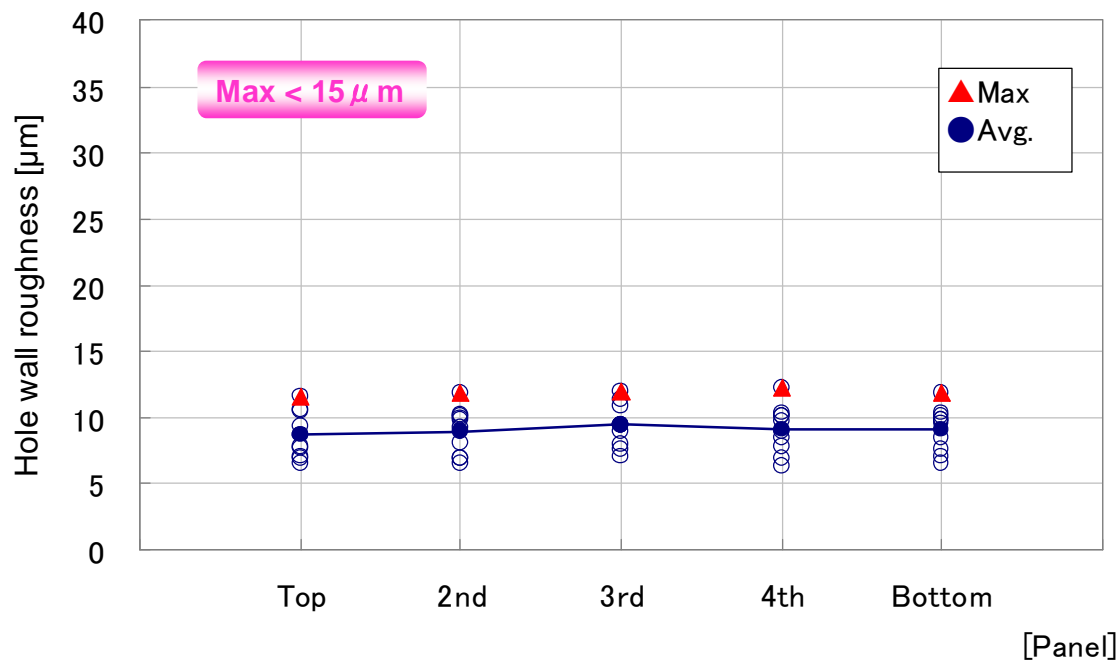
Entry sheet : LE-G0612 Back-up board : SPB-CM

N : 160,000 min⁻¹ F : 3.2 m/min f : 20 μ m/rev

Set life: 6,000 hits x 3 = Total 18,000 hits

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

Hole wall roughness [内壁粗さ]



Top



Bottom

