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Seibu Electric & Machinery Co., Ltd.

Cutting Sample:

Combination Cutting

Workpiece material : SKD11

Workpiece thickness : 200mm

Wire diameter : Brass $\phi 0.25$

Number of cuts : 4 passes

Cutting time : 21h

Surface finish : $Rz4.41\mu m$

Machine model : [M50HP](#)



Combined Thickness Cutting in Plate Thickness 200mm

Combination Cutting

Workpiece material : Carbide(RG)

Workpiece thickness : 10mm

Wire diameter : Brass $\phi 0.05$

Number of cuts : 8 passes

Cutting time : 38h

Surface finish : $Rz0.50\mu m$

Machine model : [M25LP](#)



Serration is applied to the entire shape

Workpiece material:Carbide(RG3)

Workpiece thickness : 20mm

Wire diameter : Brass $\phi 0.2$

Number of cuts : 7 passes

Surface finish : Rz0.54 μ m

Machine model : [MM35UP](#)



Shape cutting with the best carbide surface finish

Combination Cutting

Workpiece material:SKD11

Workpiece thickness : 60mm

Wire diameter : Brass $\phi 0.2$

Number of cuts : 5 passes

Surface finish : Rz1.8 μ m

Machine model : [MM50UP](#)



Combined sharp edge cutting

Combination Cutting

Workpiece material:SKD11

Workpiece thickness : 20~50mm

Wire diameter : Brass $\phi 0.2$

Number of cuts : 5 passes

Surface finish : Rz1.6 μ m

Machine model : [M50HP](#)



Combined cutting of plate thickness 20~50mm

Coreless Cutting

Workpiece material:Carbide(RG3)

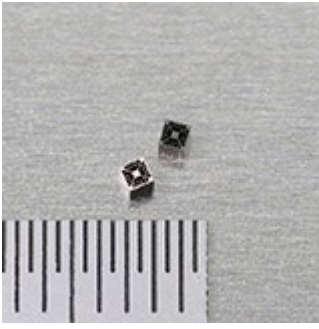
Workpiece thickness : 1mm

Wire diameter : TWS $\phi 0.03$

Number of cuts : 4 passes

Surface finish : Rz0.64 μ m

Machine model : [MEX15](#)



Min. slit-width is 0.054mm for micro-cutting in 1mm square.

Electrode Coating(ELC) Cutting

Workpiece material :Carbide(D60)

Workpiece thickness : 45mm

Wire diameter : Brass $\phi 0.2$

Number of cuts : 7 passes

Cutting time : 5.1h

Surface finish : Rz1.0 μ m

Machine model : [M50HP](#)



Sample part by using ELC(countermeasure circuit for electric corrosion in Carbide)

45°Taper Angle Cutting

Workpiece material : SKD11

Workpiece thickness : 40mm

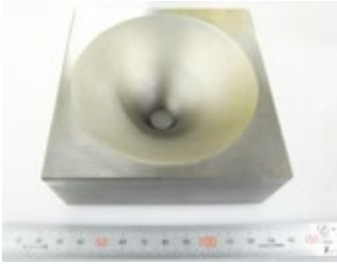
Wire diameter : MEGACUT $\phi 0.2$

Number of cuts : 3 passes

Cutting time : 5.0h

Surface finish : Rz4.5 μ m

Machine model : [M50HP](#)



Sample part with 45° Taper angle Cutting