

# CMP pad conditioners

## CVD disks

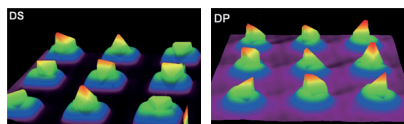
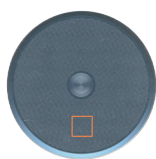
- Pad-refreshing conditioner that uses CVD method to prevent diamond from shedding
- Eliminating performance difference among conditioner
- Defined Tip size and shape

## Electroplated CMP Pad Conditioner

- Nickel-plated mechanical bonding
- Superior wafer-to-wafer uniformity



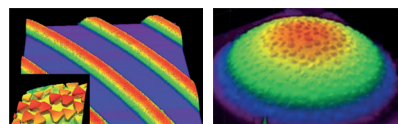
## DS(DP) Type



### Advantage & Performance

- Increased working diamonds
- Decreased the scratch & defect

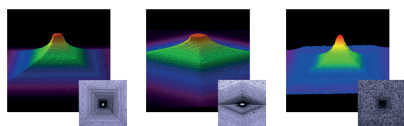
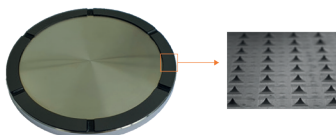
## CLC Type



### Advantage & Performance

- Control diamond protrusion
- Prevent pad balding & defect

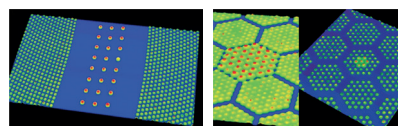
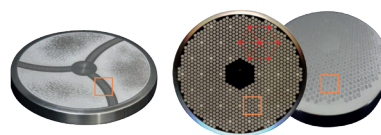
## CVD Type



### Advantage & Performance

- Increased working diamonds
- Decreased the scratch & defect

## LPX & DHP Type (Dual Diamond)



### Advantage & Performance

- Control diamond protrusion
- Prevent pad balding & defect