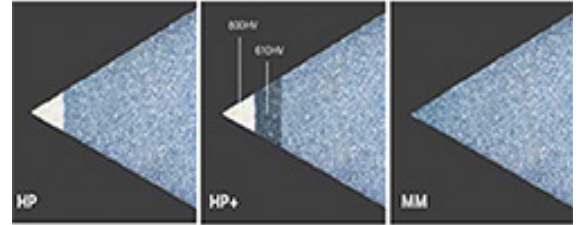




## Martin Miller HP, HP+ & MM Cutting Rules

### HP - Plasma Hardened

- Edge-hardened by special plasma hardening process
- Highest possible lifetime of the die, due to high cutting edge hardness of ~700HV (~60HrC)
- HP is unique to Martin Miller cutting rules



### **Applications:**

- For high to extremely high production runs/number of cuts
- Dust reduction in the cutting process
- Optimized for tight bends

### HP+ - Plasma Hardened

- Unique dual edge hardening process
- Multi layer combines HF and plasma hardening technology with ~800 HV (~64 HRC) on tip and deep edge hardened zone
- Extended lifetime of cutting tool

### **Applications:**

- Processing on automatic bending machines still possible
- Carton, duplex board, rigid and thick materials, gaskets, stiff plastic, compounds

### MM - Through Hardened

- The same hardness of cutting edge and body
- Good bendability due to soft and ductile surface layer

### **Applications:**

- Small to medium size runs/number of cuts · Good bending properties
- All purpose rule (carton, corrugated)

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