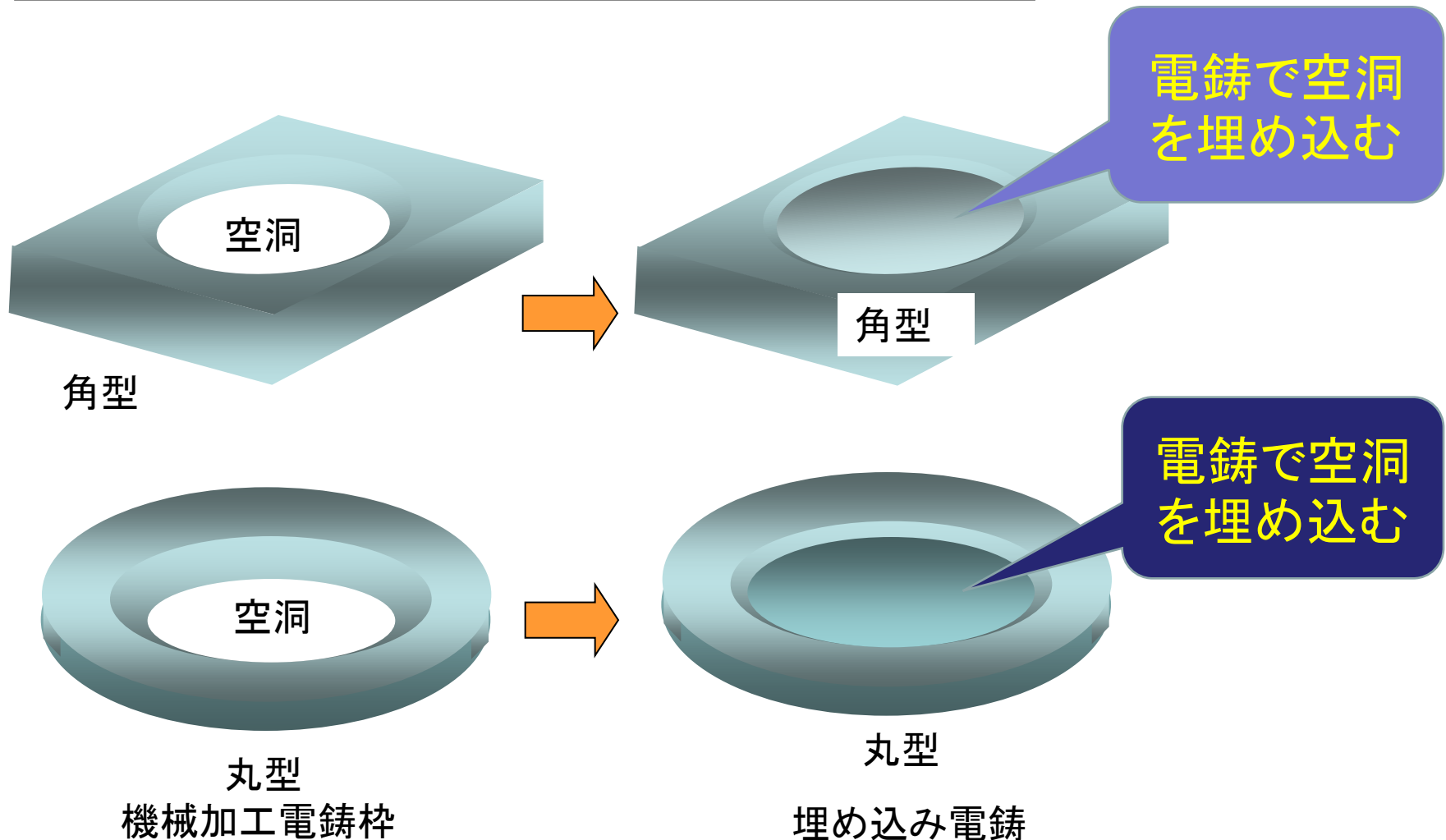


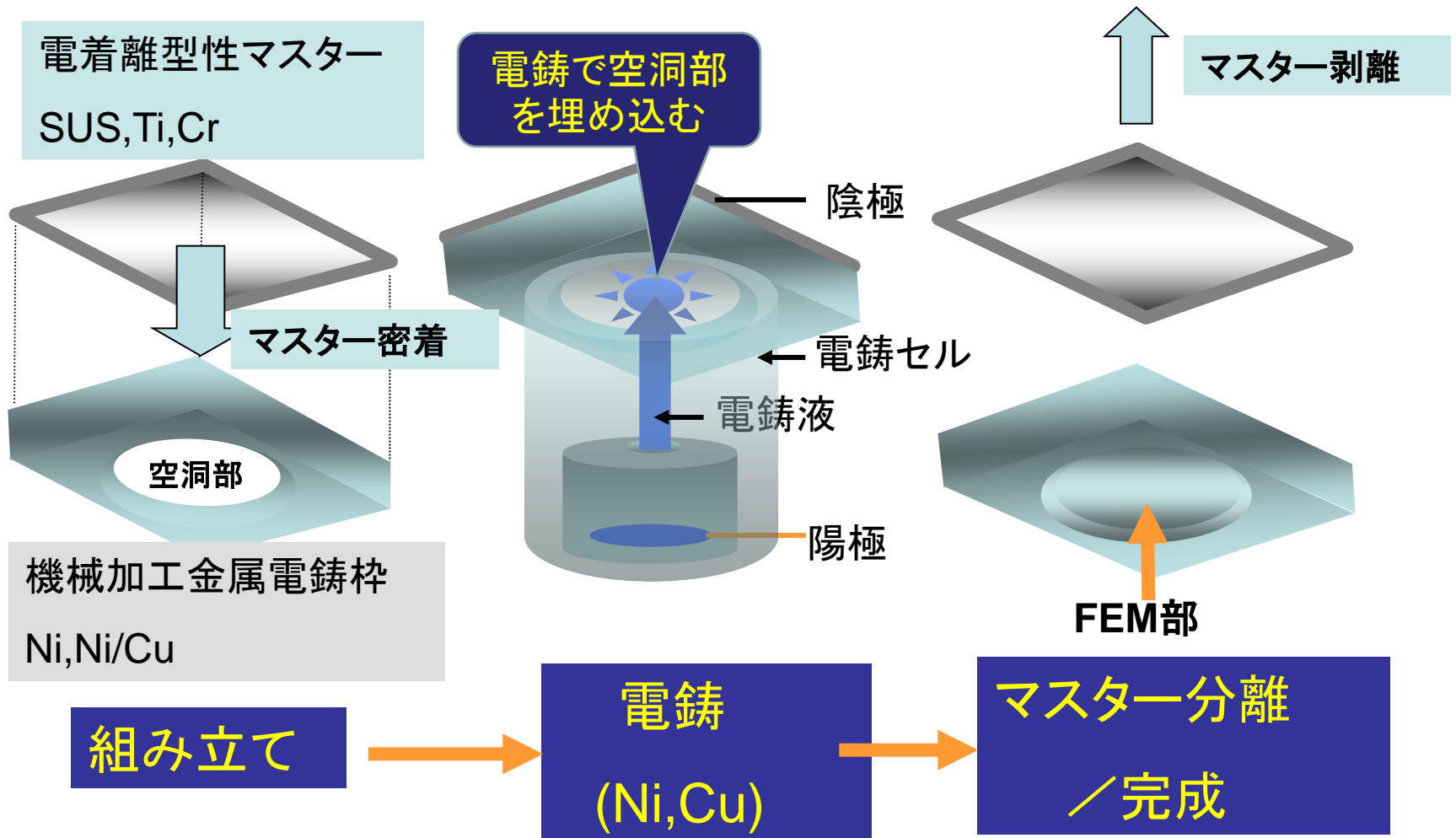


ナノインプリント用 精密電鋳モールド(FEM)

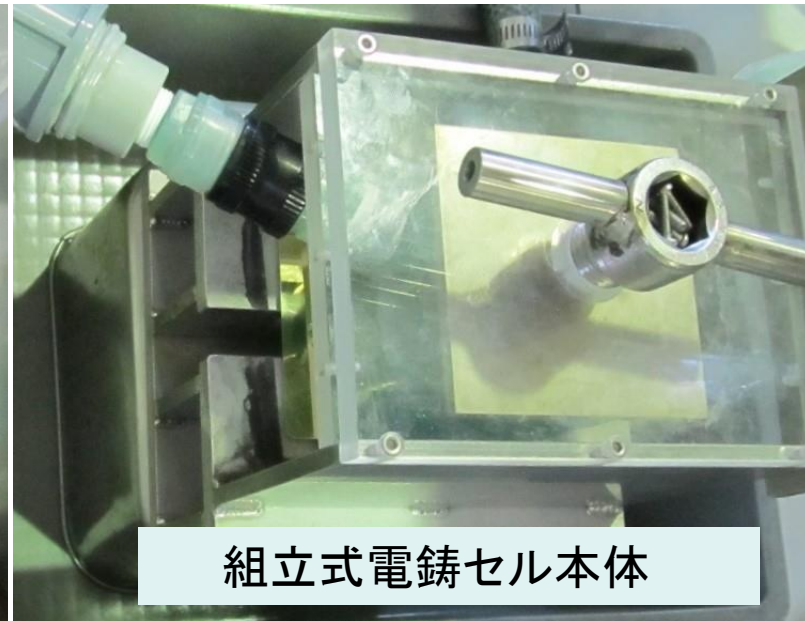
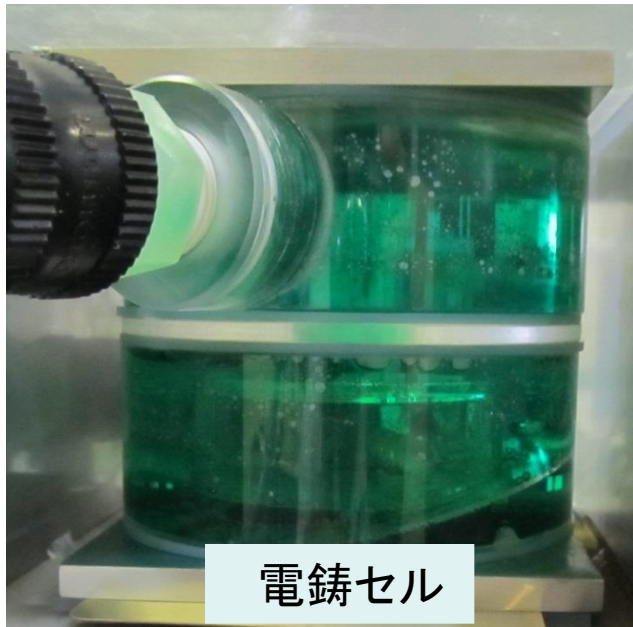
FEM(Frame Embedded Mold)の基本構造



FEM (Frame Embedded Mold) の製法

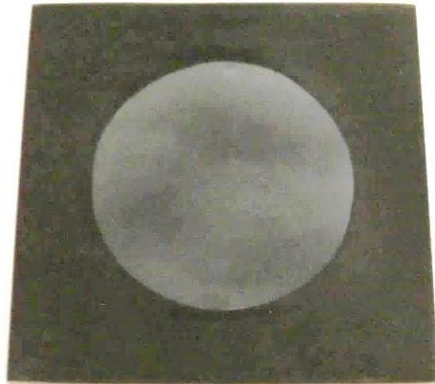


電鋳装置

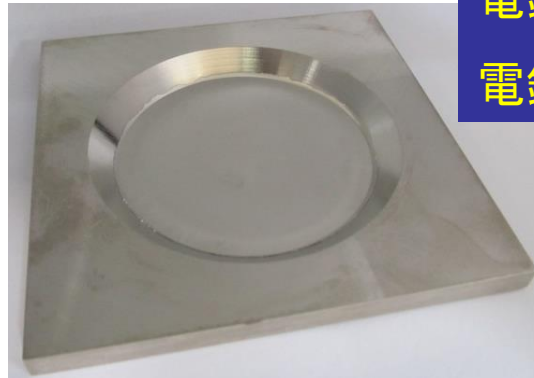


□100mmFEM用ニッケル電鋳装置

FEM (Frame Embedded Mold)



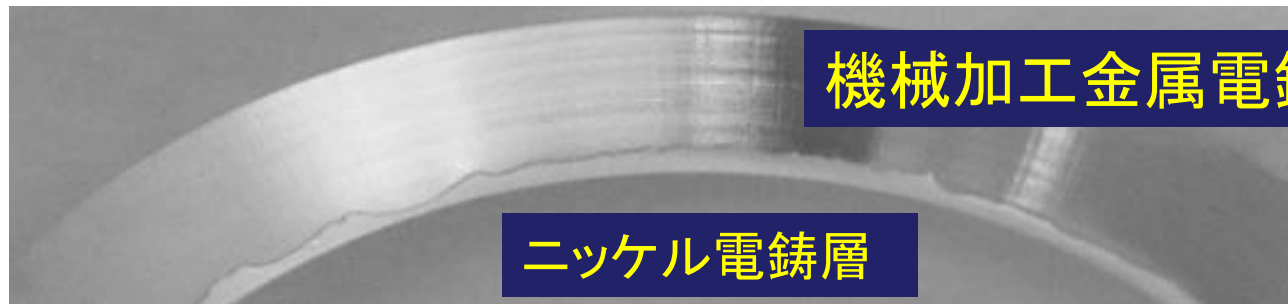
表面



裏面

電鍍枠; Ni, t5mm × □80mm

電鍍層; Ni, t1.5mm × Φ60mm



機械加工金属電鍍枠

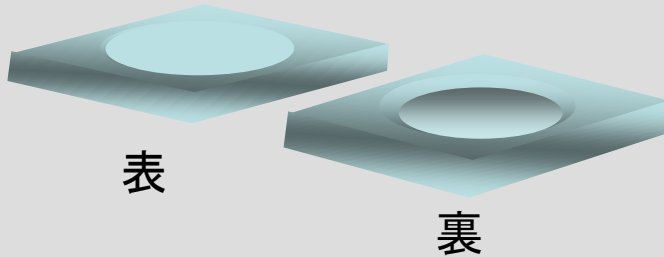
ニッケル電鍍層

電鍍部拡大

FEMの種類

中間埋込型

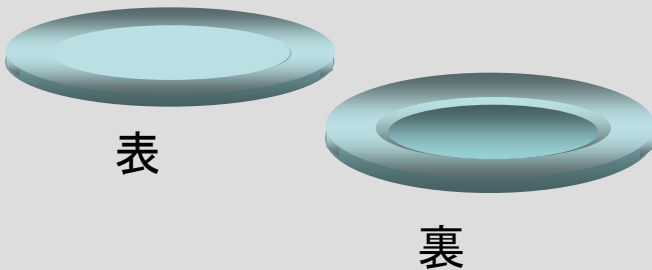
角型



表

裏

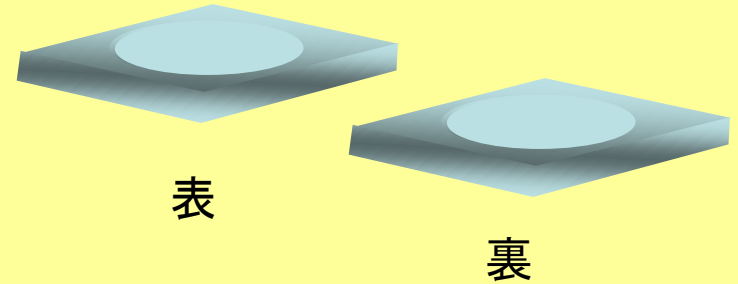
丸型



表

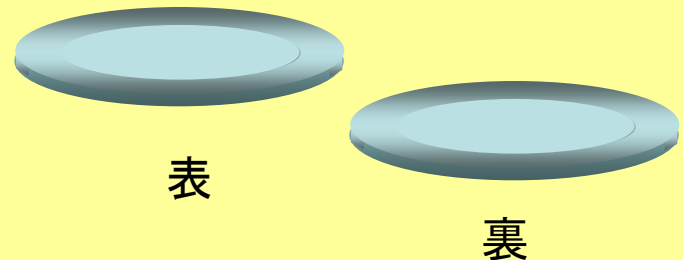
裏

完全埋込型



表

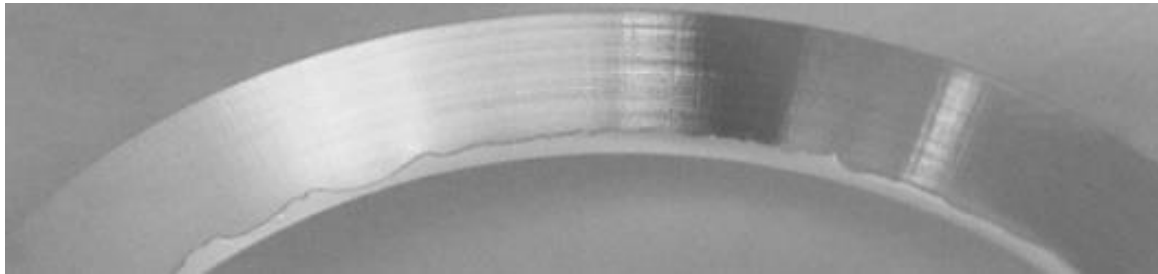
裏



表

裏

FEMの特徴



①高平坦性

②高熱伝導性

④高剛性

③高耐久性