

**DAY 1**

**The Process of Winding:**

The goals of winding
Type of Mold
Winding and winder definitions
Building a roll structure
Runner System, Components, Labor
Center and surface winding
Stack, Special
Gap and nipped winding
Views in Mold Design
Roll dynamics
ising Systems, Sprue Bushing, Interlocks

**The Equipment of Winding:**

Center and surface winders
Type of Mold
Gap and nipped winders
Differential winding
Roll transfers
Unwinders
Specialty winding

**DAY 2**

**The Solutions of Winding:**

Wrinkling during winding
Too tight or too loose
Scratching & debris
Roll slippage
Shifted layers
Buckling within a roll
Deformations
Gauge variation defects
Baggy webs

**Slitting:**

Fracture Mechanics
Razor Slitting
Crush Slitting
Rotary Slitting
Shear Slitting
Slitting in Registration (Stripe Slitting)
Alternate Slitting Methods
Slitting Operational Efficiency