

### Extrusion

#### ■ Spiral mandrel distributors/dies

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Product: Plastic films

##### **Before: Chrome platings**

- Local plastic spots sticking to the surface causing quality issues in the films
- Abrasive cleaning causing wear and scratches
- Due to chemical reaction chrome gets dull and rougher after ~1 year process

##### **Now: CrNmod**

- Significantly reduced or even eliminated sticking
- Excellent scratch protection (optional with plasma nitriding further improved)
- No chemical interaction – no visual change of CrN

