

| | DC | AC | Pulsed DC | RF | Pulsed DC with RF | DC with RF |
|-----------------------------------|-----------------|-----------------|-----------------|--------------------|-------------------|------------------|
| Sputtering Type | Magnetron only | Magnetron only | Magnetron only | Magnetron or Diode | Magnetron only | Magnetron only |
| Appropriate Target Materials | Conductive only | Conductive only | Conductive only | All Targets | Conductive only | Conductive only |
| Typical Sputtering Rate (% of DC) | 100% | 70 to 85% | 70 to 85% | 20% ⁽¹⁾ | 70 to 90% | 70 to 95% |
| Cost and Complexity | ● | ● | ● | ◐ | ○ | ○ |
| Campaign Length (Loss of Anode) | ○ | ● | ◐ | ● | ● ⁽²⁾ | ● ⁽²⁾ |
| Film Quality | | | | | | |
| Optical Transmission | ◐ | ● | ● | ● | ● | ● |
| Flatness | ◐ | ● | ● | ● | ● | ● |
| Pinholes | ◐ | ● | ● | ● | ● | ● |
| Packing Density | ◐ | ● | ● | ● | ● | ● |

(1) No magnetron

(2) No loss of anode even when using only one cathode

LEGEND

● Best

● Excellent

◐ Very Good

○ Good