

	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% <sup>(1)</sup>	70 to 90%	70 to 95%
Cost and Complexity	●	●	●	◐	○	○
Campaign Length (Loss of Anode)	○	●	◐	●	● <sup>(2)</sup>	● <sup>(2)</sup>
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