Sputtering Diagnostic Questionnaire

If you would like a recommendation as to how we can help solve a technical issue you are having with your sputtering process, please complete this questionnaire and we will try to respond to you as quickly as possible.

Contact Information:

Name:	Organization:
Title:	Address:
Email:	City:
Phone:	State, Zip:
Fax:	Country:

Application Information:

1.	What is your application category?
	(Semiconductor, Optical, Glass Coating, Wear Coating, Medical, Decorative, Packaging, Solar, or Other)
2.	What is your Substrate Material?
3.	What is your Substrate Size?
4.	Is your substrateStatic Rotating (Single AxisDual Axis) or Linear Motion?
5.	What Target Material is being used?
6.	What Type of System is being used?
7.	What is your Sputtering Orientation?UpDown Side (Vertical or Horizontal)
8.	What is the Source-to-Substrate Distance?
9.	What is your Target Size? a. Length: Width:Thickness:
	or b. Diameter: Thickness:
10.	Is the target bonded?
11.	Is it a Direct or Indirect-Cooled target?
12.	Is the cathode mounted Internal or External?

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13.	Are you sputteringDCMFRFDC DiodeRF DiodeHIPIMS
14.	IF DC/ DC Diode/ HIPIMS, what are your amps and voltage
15.	If MF, what are you amps voltage frequency
16.	If RF/ RF Diode what is your forward and reflected power
17.	At what Pressure are you operating?
18.	What is the System Base Pressure?
19.	What process gas are you using?
20.	If running, what is the color of the plasma?
21.	Is the gas inlet on the chamber or through the cathode?
22.	What is your coolant flow?
23.	What is your coolant inletand outletpressure?
24.	What is your coolant inletand outlettemperature?
25.	What is your coolant flow rate?
26.	Description, please attach any photos or drawings of the issue: