



**For SEMI S2, NFPA 79 and CE please answer the questionnaire with an informal email having attachments, pictures and NDA if required.**

**Do you have:**

Manuals for the tool. (Operation, Maintenance, Installation, Safety)  
Up to date schematics showing the exact tool, not a similar tool.  
Detailed drawings, calculations notes, test results, certificates, calibration, etc.....  
Bill of Materials (BOM).  
A fully functioning tool, capable of being run at 100% of the rated load.  
A Nameplate of the tool  
Prior documentation for an old tool getting a new or updated CE, S2 or NFPA 79.

**Questions to ask:**

Are the manuals entirely complete?  
Hazard Alert Labels properly displayed?  
Are Interlocks used? Are hazardous motions properly protected?  
Is a Safety Circuit utilized?  
Electrical Design- Are components NRTL/CE and/or fabricated?  
What are the power requirements?  
Is there a Fire Protection System installed?  
Are there and Liquid Heating System incorporated or a heating circuit for the process?  
Are proper Ergonomics observed?  
Is there a Pressure Vessel? CE/UL marked?  
Is the disconnect present, and properly sized?  
Have Seismic Calculations been performed and documented?  
Are Robots utilized? Do they comply with ANSI/RIA R15.06, ISO 10218-1, CEN EN 775?  
What chemicals/gases are used:  
    Process:  
    Utility:  
Is there Exhaust Ventilation?  
    Has it been evaluated for flow?  
What process gasses are used?  
Is there a source of Ionizing Radiation?  
    What kind:  
Is there a source of Non-Ionizing Radiation and Magnetic Fields?  
    What kind:  
Are lasers incorporated? What class? And are they appropriately protected?  
Anticipated Sound Levels?  
What environment is the tool located in?  
Can the system be tested at 1500 VAC if not, Why? [Dielectric testing]  
Who is the customer of the tool?  
What timeline are you anticipating?