

## **Technical Specification for**

### **Air Jet Erosion Tester**

<b>Sl. No.</b>	<b>Description</b>	<b>Required Parameters</b>
The air jet erosion tester will evaluate the erosion resistance of variety of materials including ceramics, metals, polymers, coatings and composites conforming to ASTM G 76 specifications.		
Product application		To measure jet erosion loss of materials
1.	Sample Temperature range	RT – 400 deg C
2.	Angle of inclination of sample during testing w.r.t the jet of erodent particles	5 to 90 deg
3.	Air pressure	Upto 6 bar
4.	Air velocity	Upto 100 m/s
5.	Air flow rate	Upto 100 lpm
6.	Particle velocity	Upto 30 m/s
7.	Particle feed rate	2 to 10 g/min
8.	Specimen size	To be mentioned – Approx. 75mmx25mmx6mm preferable
9.	X, Y and Z adjustment and tilting	To be provided
10.	Collection of Erodent after testing in removable enclosure	To be provided
11.	Sound and dust proof enclosure	To be provided
12.	Nozzles	3 mm and 5 mm diameter to be provided
13.	Additional features	Air drier and Air filter must be embedded in the system

**For any Technical Clarifications please contact :  
Dr L. N. Satapathy, Sr Manager ( CTI), Bangalore  
email ID : lsatapathy@gmail.com**