GO WITH SQUARE CUP INSTEAD OF ROUND CUP

- In some of the round cup, thermocouple junction is open; it may get open / melt, if molten metal is poured at high temperature. Whereas in square cup thermocouple junction is protected with quartz tube. No wastage of cup.

- Tellurium paint is peeled off in long storage & does not give accurate silicon readings. If molten metal is poured at low temperature, tellurium does not get mixed homogeneously in the metal inside the cup. Whereas in square cup, tellurium blob is at the bottom of the cup, due to special ingredients tellurium gets mixed homogeneously with the metal inside the cup. Results are accurate.

- Being square design, metal starts cooling from the corners uniformly and results are consistent.

- The thickness of thermocouple wire is more in square cup, so it can withstand for higher temperature.

- Top side of square cup is broad as compared with bottom, due to this design, if metal overflows, it does not fall on metacup holder.

- Due to unique design of contact, square cup makes contact with metacup holder pins at two locations, No chance of loose contacts.