

Q 3.2

Explain spray welding / metallizing.
How it is useful?

Ans

Thermal spray welding (metallizing) The spray process is an umbrella name for multiple processes. All involves the use of a coating material in the form of a wire, rod or powder which is melted by one or the following sources of energy. The particles build up & coat the material.

Advantages

- 1) Smooth weld bead
- 2) High penetration
- 3) High weld deposit rates
- 4) Minimal spatter
- 5) Reduce cost
- 6) Low heat input
- 7) Versatile : most metal, plastic & ceramics can be sprayed.