

Ques 3- What is the principle of explosive welding?

Ans → Explosive welding is a solid-state process in which, controlled explosive detonation force, two or more metals together at high pressure. The resultant composite system is joined with a high quality metallurgical bond. During the process, the first few atomic layers of each metal become plasma, because of the high velocity of the impact (200 to 500 m/s, 660 to 1640 ft/s).