

Plasma Welding Appliance

Technical Data

- compact inverter current generator PMI 500 of SBI in an amperage range of 3-500 A per welding procedure
- Integrated Gas controlling unit for plasmagas and flow rate regulator for protective gas
- Pulse operation
- Installation and evaluation software
- Possibilities for zum WIG-, electrode-, plasma arc-, plasma joint- and tap hole welding



Applications

- Plasma welding with high power density and little distortion in comparison to WIG-welding (little beam divergence)
- Remelting of square edges which need to be finished
- Spot-welding in case of an accessibility only from one side, at fillets and butt welds at the outer edge with the help of spot and arc welding torch

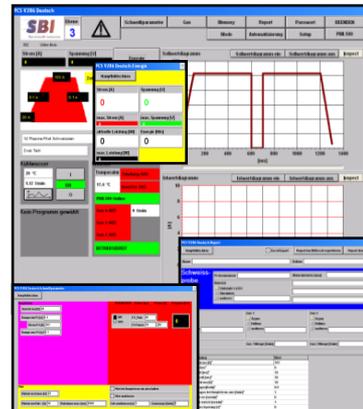
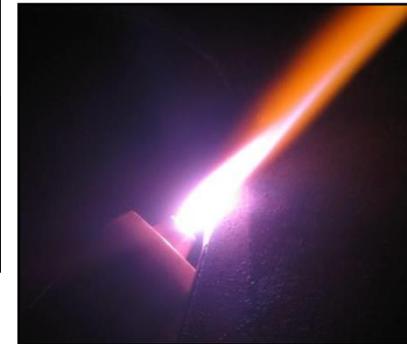


Illustration of the software for positioning and evaluation

Current generator PMI 500 with spot and arc welding torch with top pirces for fillets and butt welds at the outer edge



Plasma arc at edges which need to be bended