



# Bay State Surface Technologies, Inc.

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## CPG-500 COMBUSTION POWDER SPRAY GUN

### TYPICAL SPRAY RATES

Material	Rate (lbs per hour)
PP-66 NiAl	6
PP-68 NiCr	5
PP-69 NiAlMo	4.5
PP-19 CuAl	8
PP-21 Mo	6
PP-64 NiCr	7.5
PP-28 Cu	14
PP-203 NiCrSiB	20
PP-231 NiCrSiB/WC Co	16



The CP-500 is an aspirated Combustion Powder Spray Gun with an integral hopper using Oxygen and Acetylene to spray metal powders, both pre-alloyed and composites. It can be converted to spray ceramics by adding a vibrator and air-jet. Spray rates for metal powders are up to 20 lbs per hour. The integral powder hopper makes it convenient and simple to change from one powder to another. The CP-500 can also be used to spray self-fluxing hard surfacing powders for larger jobs and heavier coatings where the coating can be sprayed to full thickness first, and then fused by a heating torch or in a furnace.

Additional accessories like extension nozzles for inside diameters and high spray rate kits are available for this gun. A tool post mounting bracket is included with the gun to allow mounting to a lathe for continuous end-to-end automatic spraying of large rolls.