eGun™ WC/Co/Cr

Coastal Hydraulics

FST and Coastal Hydraulics Inc, Charleston SC have been working together on the installation of an eGun™ System based on FST’s HV-50 system. This installation has been a success.

Coastal Hydraulics Inc. are experts in the fields of fabrication, assembly, repair, refurbishment, rebuilding, maintenance, design, and replacement sales of hydraulic, pneumatic systems and components for industrial / mobile equipment applications.

President, Jeff Kenney chose the eGun™ system for coating quality reasons and reduced operating costs. Coastal wanted to have the latest state of the art technology. They had the following to say regarding the eGun™

“The eGun™ has been a success for Coastal Hydraulics. It has allowed us to spray high quality WC-Co-Cr coatings that made our customers believers as well, and it helped us to secure more profitable business.”
Jeff Kenney, President Coastal Hydraulics

From running the eGun™ in production the operators liked the cleanliness of the process (no odor, quieter, no carbon build-up and easier to ignite), making the eGun™ the system of choice.

Material
Composition: WC/Co/Cr 86/10/4
Size range: -30+5 µm
Powder type: Aggl. & sintered

Parameters
Oxygen: 490 NLPM
Ethanol: 26.6 l / hr
Spray distance: 250 mm
Spray rate: 80 gr/min

Coating characteristics
Deposit efficiency: 50% (off part)
Hardness: 1200-1300 HV0.3
Porosity: 0.1%
Bond strength: >85 MPa (glue failed)
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