

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.

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 HV_{0.3}
 Porosity: 0,1%
 Bond strength: >85 MPa (glue failed)

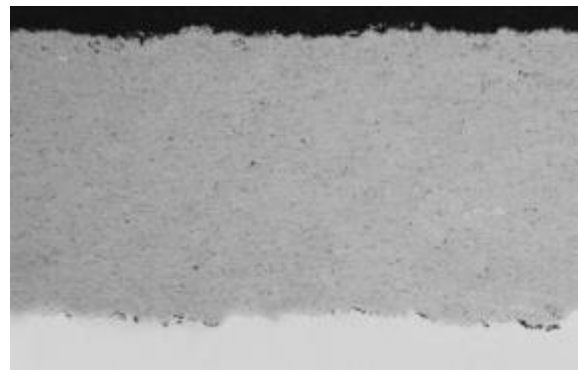


President, Jeff Kenney chose the eGun™ system for coating quality reasons and reduced operating costs. Coastal wanted to have the latest state of the art technology. They had the following to say regarding the eGun™

"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.



Cross section of WC/CoCr 86/10/4 Coating sprayed using eGun™ System OM, mag. 200x



ethanol

enhanced

efficient

HP-HVOF
eGun

ecological

economical



Added value through know-how | www.fst.nl

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