



# Valve Reconditioning

A compressor functions only as well as its suction and discharge valves. Cook Compression® reconditions any type of reciprocating compressor valve to as-new condition, at savings of 60% or more compared to the cost of new valves.

Rigorous inspection, best-in-class procedures and quality replacement components return valves to original specifications, helping restore compressor efficiency and reduce operating costs.

Cook Compression guarantees the service life of a reconditioned valve to be equivalent to that of a new valve of the same design operating in similar conditions.

## RECONDITIONING PROCEDURE

- Degrease and strip into component parts for inspection
- Process seats and guards to remove foreign deposits
- Scrap all sealing elements, coil springs and discharge valve studs
- Inspect remaining parts for further service
- Clean reusable internal moving parts in polishing machines
- Perform nondestructive testing of seats and guards
- Re-machine damaged seats and guards within OEM tolerances to maintain design performance characteristics
- Lap valve seat sealing faces to ensure perfect finish and flatness
- Electroplate seats and guards in protective zinc passivate finish, if necessary
- Assemble, inspect, test and prepare for delivery

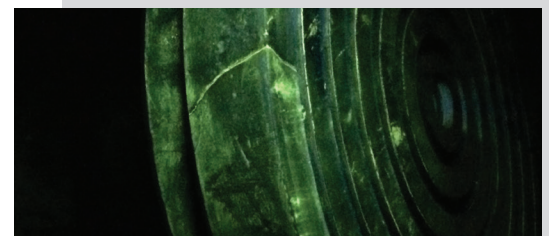


## ADVANTAGES

- Potential savings in excess of 60%, compared to the purchase of new valves
- Reconditioned valves are guaranteed “as new”
- Nondestructive testing (NDT) of all valves
- Available for all types of compressor valves
- OEM equivalent or better replacement parts
- Service centers worldwide



*Optical comparators confirm precise flatness of lapped components*



*Magnetic particle inspection identifies surface and near-surface defects*



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