

Coke Testing System (CRI & CSR)

Coke Reactivity Index & Coke Strength After Reaction

ATS offers a complete Coke Strength After Reaction System (CSR) that comes with an ATS tube furnace, single wall reaction Inconel vessel, temperature control system, gas control system, and coke strength after reaction tumbler. Tailored around meeting D5341M requirements. The complete system also offers a motorized lift and vessel guide for easy transmission of your reactor vessel. The high-temperature tube furnace improves the temperature control and minimizes heat loss, with a 1300°C max temp furnace that will give you long lasting life for your 1100°C test range. This system is controlled by a separate cabinet that includes a phase angle SCR, a dual loop programmable temperature controller, an integrated over-temperature controller, N2 and CO2 monitoring, as well as a flow control system, with digital flow controllers.



Features:

- Type S vessel thermocouple removes easily and hangs from the lift to prevent operator mishandling and breakage
 - Automatic thermocouple switching from furnace to vessel
- Vessel gas lines have quick disconnect for ease in connecting and removing
- Vessel slide channel allows the operator to slide the vessel forward prior to lifting
- Longer vessel design reduces the amount of coke scale inside the vessel, meaning the vessel will last longer
- Fully guarded motor driven tumbler with direct speed reducer, timer, and revolution counter
- Configured for available voltages and Hz, 230/400/480, -single or 3 phase available



Tumbler System



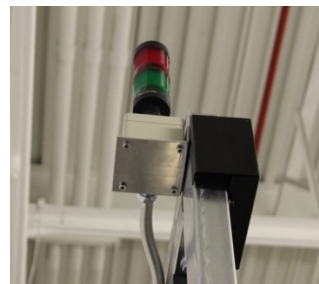
CSR Protective Cage



Motorized Lift



Emergency Stop



System On/Off Safety Light



Vessel Cooling Fans