

# PULVERIZED COAL BURNER for COALMAC BOILER



**Conversion** : Many customers may wish to convert their existing fire tube boiler with this system, but the pressure vessel has a limitation which is possibly converted. Pictures below are all possible for conversion.



If smoke tube type, dry-back is easy to convert. Wet-back need to make the stomach open for ash disposal which need a big operation

This is a very unique application of Pulverized coal burner to the fire tube boiler shell (Dry-Back Type) to convert the oil fired boiler to coal fired at the lower investment for small capacity of 5 – 10 ton with low pressure of below 13 bar pressure



Above picture is showing the coal pulverizer to make coal powder to 0.4 mm size from delivered fine coal of 10 mm. Left top picture is the rotating system for the rotating furnace/combustor to enable complete combustion and prevent accumulation of ash



Left middle picture is the specially designed coal burner distributor to create swirling effect to the spray of coal powder into the combustor.

Left below is the removable design of the coal burner from the combustor

