

Big spaces.....difficult manual access.....need lots of waterjet power

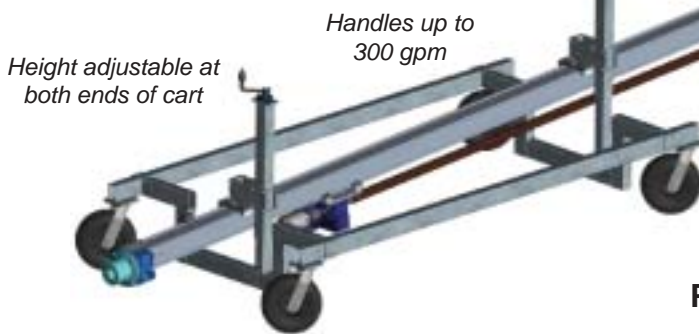
Power plants rely on steam generation to drive generating turbines, with coal fueled boilers commonly experiencing fouling from fly ash. Steam generation is also common in garbage incineration, waste fuel incineration, cogeneration, and waste heat recovery in refineries and chemical process plants. Deposits resulting from waste fuels are frequently a problem that creates an opportunity for waterblast contractors. In pulp plants, black liquor incineration is an example of waste fuels which make troublesome deposits in the boiler.

Deposits on the steam generating tubes reduce heat transfer, causing increased energy loss out the stack. Cleaning is commonly done on an annual, or bi-annual basis to restore energy efficiency. If it is necessary to physically enter the furnace to clean, then several days cool-down time is required. Then restart requires another slow cycle to prevent thermal shock damage to refractory and tubed sections. Where the cleaning job can be done without entry, these slow thermal cycles can be minimized, allowing the unit to return to revenue-generating operation sooner. Smart waterblast contractors use equipment to replace men-in-the-furnace, making their services more valuable.



Big Flow Waterblaster

We didn't know what to call it! Originally built as a Boiler Floor Washer, to enter a pulp plant waste boiler at the smelt spouts, contractors have found many other uses for this system. With 300 gpm capacity, it's used to clean anything big with limited access.



Optional stroke
14 - 18 ft.

Furnace radiant sections

Coke from refinery vessels

Large vessels with limited access

Pulp plant boilers through smelt spouts

Other refinery and chemical plant vessels

Specifications

Model	BFW	
Maximum Pressure	10 Kpsi	690 bar
Rotation Speed	10-50 rpm	
Stroke	14 - 18 ft	4.3 -5.5 m
	8-35 ft/min	2.4-10.7 m/min
Flow Capacity	300 gpm	1140 l/min
Flow Rating, Cv	10	
Inlet Port	1-1/4 npt	



Coker Blaster

Like a big BFW with additional positioning