

CUSTOM SOLUTIONS FURNACE & BOILER CLEANING

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CABLE SWIVEL TOOL (CST)

The patented CST-AIR has a unique hollow-shaft design allowing it to slide on a 3/8 in. (9.5 mm) diameter stretched cable (not supplied) for cleaning hard to access equipment like furnaces and boilers. The CST uses a separate pulling cable or an AutoBox ABX-PRO for propulsion, and head rotation is powered by an air motor.

- ✓ Extension nipples adapt the tool to various vessel sizes and improve jet quality by reducing stand-off distance
- ✓ Ideal for cleaning Direct Fired Furnaces, Superheaters, Economizers, Boilers, Reformers, Cokers and Precipitators

CST-PRO

Use an AutoBox ABX-PRO tractor to drive the CST and eliminate the need for a pulling cable. The ABX-PRO delivers consistent and remotely adjustable forward and reverse speed for effective cleaning.



FLEXIBLE 6-PORT HEAD

Configured with 2 ports @ 90°, 2 ports @ 80°, 1 port @ 70° and 1 port @ 110°. Simply select the ports needed for the job and plug the others. Extension nipples further adapt the tool to various vessel sizes and improve jet quality by reducing stand-off distance.



TOOL MODEL	PRESSURE RANGE	FLOW RANGE	INLET CONNECTION	ROTATION SPEED	ROTATION RANGE	WEIGHT
CST-AIR	Up to 10k psi (700 bar)	Up to 170 gpm (640 l/min)	2 x 1" NPT	5-60 rpm	360°	46 lb (21 kg)

BIG FLOW WATERLANCER (BFW-100)

The BFW-100 is an automated system designed for hands-free online boiler cleaning that enables contractors to reduce down time by cleaning at high temperatures. With a 300 gpm (1140 l/min) flow capability, the BFW-100 can effectively clean any large vessel with limited entry access.

The BFW-100 features an adjustable cart with an air-powered boom positioner and provides excellent cleaning for pulp plant boilers, refinery and chemical plant vessels, as well as furnace radiant sections.

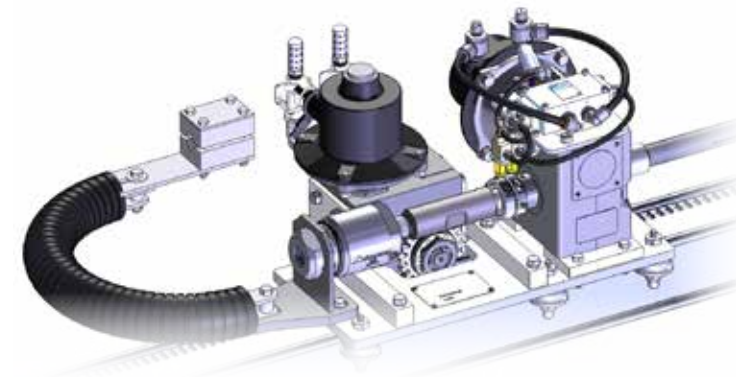
- ✓ Temperature resistant design reduces downtime by allowing cleaning operation while online
- ✓ Remote Control Box controls linear and rotation speeds from a safe distance
- ✓ Adjustable rail and cart allows for easy tool positioning, including elevation and angle of the lance
- ✓ Cantilever option available for lengths up to 24 ft (7.3 m)



IDEAL FOR:

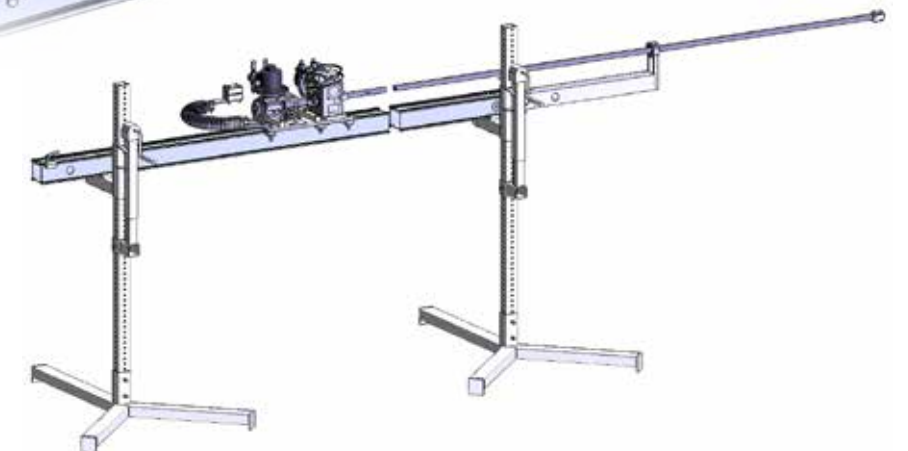
- ✓ Pulp plant boilers
- ✓ Refinery and chemical plant vessels
- ✓ Furnace radiant sections
- ✓ Boiler floors

TOOL MODEL	PRESSURE RANGE	FLOW RANGE	INLET CONNECTION	ROTATION SPEED	LINEAR SPEED	STROKE LENGTH
BFW-100	10k psi (700 bar)	300 gpm (1140 l/min)	1" NPT	10-50 rpm	8-35 ft/min (2.4-11 m/min)	Up to 24 ft (7.3 m)



OPTIONAL GEAR DRIVEN TRACTOR AVAILABLE

CAN BE MOUNTED ON EXISTING STANDS IF MOBILE CART IS NOT REQUIRED



OPERATING WATERBLASTING EQUIPMENT CAN BE POTENTIALLY HAZARDOUS.



See page 9.10 for important safety information