

SPC

Siphon Pipe Cleaner

How it works

Siphon equipment is used to siphon molten aluminium in potrooms and casthouses. Bath and aluminium deposits accumulated on the inside walls of the siphons need to be removed on a regular basis to maintain the siphon free of obstruction and to ensure efficient siphoning.

The SPC / Siphon Pipe Cleaner is a semi-automatic, pneumatic reamer that can be installed in a potroom or adjacent building. It cleans rapidly within a few minutes either straight or curved tubes. Because of the fast cleaning action, siphons can be cleaned before every siphoning operation, which reduces downtime as well as all costs associated with siphon dismantling.

To begin a cleaning, using the overhead crane, the operator approaches an empty crucible, aligns and seats the end of the siphoning tube on the spout of the SPC.

The mechanism consists of a rotating head activated by a pneumatic motor. The motor and the rotating head are moved up and down inside the siphon by means of an ultra-resistant hose moved by a pneumatic driving module. This mechanism can be mounted either on a stationary or mobile station.

Key features

PRODUCTIVITY IMPROVEMENT

- > Economic equipment.
- > Proven technology for 30 years.
- > Cleans hot siphons whilst attached to crucible.
- > Adapts to different shapes and sizes of siphons.
- > Capable of cleaning curved and/or tapered siphons.
- > Cleans following the interior siphon walls, even when siphon diameter varies.
- > Work with compressed air only, no electrical power source required.
- > Easy to repair and maintain.
- > Cleans a bath/metal mix.
- > Allows cleaning of transfer siphons larger than 150mm and several meters long.

SAFE OPERATING ENVIRONMENT

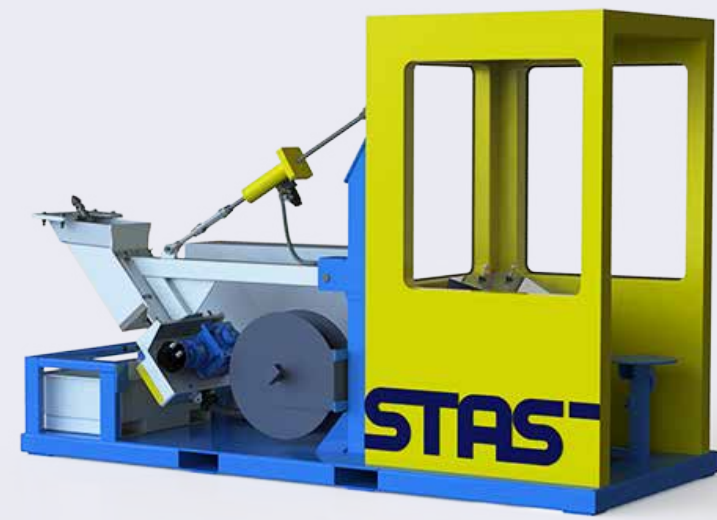
- > Eliminates exposure of operators to dust and hot particles.
- > Keeps operators away from noisy area.
- > Eliminates exposure of operators to dangerous cleaning parts.
- > No physical effort or stress on operators.

OPTIONAL FEATURES

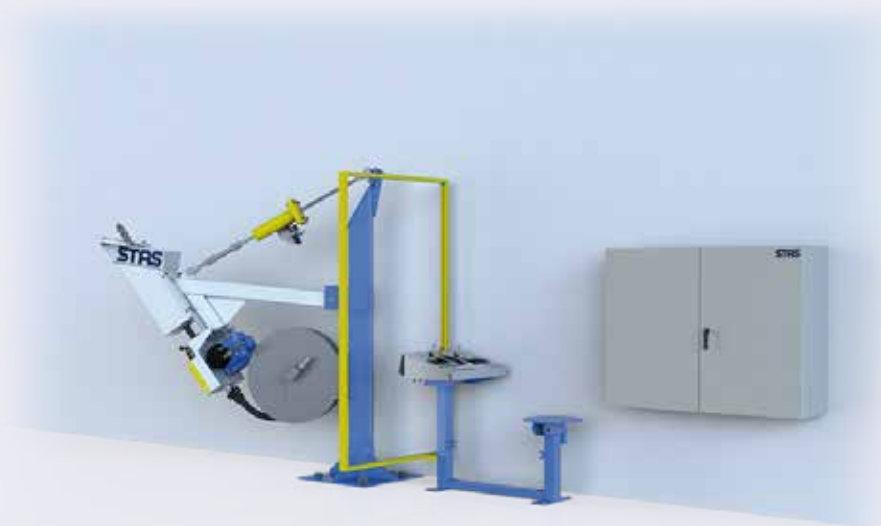
- > Sound proof operator cabin.
- > Remote control panel.

« A semi-automatic, pneumatic reamer designed to reduce the siphon cleaning time, extends the tube life and greatly improves safety. »

Models available



Fixed unit on a platform



Fixed unit with pivot



Mobile unit

Cleaning head and pneumatic motor

Hose reel

Scrap bin



Operator panel

Mobile cart

Typical specifications

Models	Main unit Overall dimensions				Cleaning range (inner Ø mm)	Cleaning cycle time (min)	Heat condition Temperature (°C)
	Length (mm)	Width (mm)	Height (mm)	Weight (kg)			
Mobile unit	2500	1100	1900	1000	75 to 200	5 to 10	0 to 600
Fixed unit without pivot	1800	700	1800	500	75 to 200	5 to 10	0 to 600
Fixed unit with pivot	2000	700	1800	500	75 to 200	5 to 10	0 to 600
Fixed unit on a platform	3500	1400	2300	1500	75 to 200	5 to 10	0 to 600