

ALO 111 Band saw blade washer system



Multi band washing system

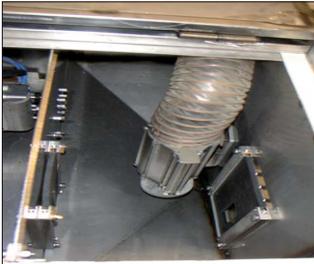
This washing system is designed to stand in-line with ideally a Normac band saw blade grinder, to wash off mineral oil, burrs or other dirt sticking to the band saw blades.

Only hot water heated in washing tank to approx. 60 °C is used for cleaning the saw blade coils.

The system can handle 24 bands at the same time and a band width up to 100 mm.

HIGHLIGHTS:

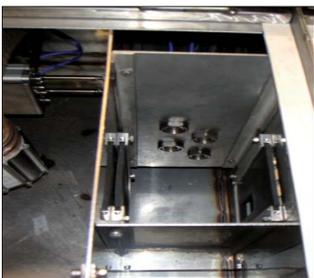
- In line with process with no added labor costs
- Low cost since washer use just high pressure, heated and circulated tap water
- Cleaned bands meet food industry demands
- Washed and de-burred bands generate better set and hardening results
- Less oil and dirt on shop floor downstream washer
- Dry and rust protected bands after washing



Oil blow off with air knives



High pressure spray cleaning



Rust inhibitor spray chamber



High pressure air knives

MACHINE DESCRIPTION

All critical components such as base stand, washing chamber and tanks are built in stainless steel while other components are made of zinc plated steel or aluminium. The top of the washer can manually be opened for service etc. The system are designed to clean mineral oil, swarf and dirt from bands.

OIL BLOW OFF CHAMBER

The saw blade coils is mainly "cleaned" from oil via air knives, which are connected to a high pressure fan. This oil can be returned to grinder/milling if filtered or recovered by an outlet pipe to container, not included.

WASH CHAMBER

The washer is using high pressure water that splits and cleans the band stacks. The high pressure spray cleaning over the saw blades is made with four turbo rotor spray nozzles. The water are heated to approx. 60°C and thereby clean water without any chemicals can be used. The "dirty" water passes through a magnetic filter cassette that separates the remaining steel from the water. The cassette can easily be removed for cleaning. The water in the tank is cleaned from oil by a band oil skimmer, the system is separately programmed to allow water cleaning cycle on standstill.

RUST INHIBITOR CHAMBER

The rust inhibitor media is pumped from an external tank to spray nozzles that apply the required amount for each cycle. The excess fluid is returned to the tank.

DRYING CHAMBER

After rust inhibitor is applied the bands are finally dried by a third air blow off unit before the take up coiling.

FILTERING

Water is constantly filtered and cleaned through several filter stages like, magnetic filter, oil skimmer, water tank with several settling compartments and changeable large capacity filter bag. No need of unfriendly chemicals in cleaning process make system easy and safe to handle as well as cost effective.

HMI

The washer is equipped with a Siemens control system and a user friendly 7" HMI colour touch screen. ALO 111 is equipped with an EWON modem for instant remote support in case of malfunction or for updates.

TECHNICAL SPECIFICATION:

Max band width:	100 mm
Max band capacity:	24 bands with a band stack of max 13 mm
Water temperature:	Heated to 60°C
Space requirement (LxWxH):	2 x 2 x 2.4 m

