

SERVICES IN THE DRUM

- ✓ Water quality test
- ✓ Machine preparation training
- ✓ Emulsion preparation training
- ✓ Monitoring and maintenance
- ✓ Basic training for operators
- ✓ On-site support
- ✓ Follow-up visits



Blaser.
SWISSLUBE

AHB

TOOLING & MACHINERY, INC.

COMPLETE METALWORKING SOLUTIONS

www.ahbinc.com

Water quality test

As emulsions are made up using water, the quality of the water, including its hardness, is extremely important.

We will check the quality of the water, so that you get the best-suited coolant solution for both your preparation water and your processing.

Machine preparation training

The cleanliness of a machine is crucial for creating the best prerequisites for the emulsion. We will show you how to optimize the emulsion service life and the process reliability due to thorough cleaning and the right approach during the re-fill.

AHB will also assist in the cleaning of the first machine. Reference AHB Clean Out Procedure for a complete list of value added cleanout procedures.

Emulsion preparation training

The emulsifier to oil ratio in the concentrate of Blaser coolants, are ideally combined for mixing with water. Achieving homogenous and small droplet sizes during the mixing process is the deciding factor for a long service life of the emulsion. We will show you how you can create the basis for peak cutting performance, stability and economical emulsion consumption by correctly preparing an emulsion.

Monitoring and Maintenance

Our field specialists as well as a well-coordinated product range will make sure that the coolant you use fulfills all your expectations. Any unfavorable developments are recognized early on and fixed accordingly. Small expenditures on the maintenance of your coolant is a good investment.

Please watch our training videos (available at <https://vimeopro.com/user48713165/blaser-know-how-en-uk>). These hands-on videos will provide you with some useful information, so that the right coolant can become a Liquid Tool if treated and maintained correctly.

Basic training for operators

We provide support by means of industry-specific trainings, in order to ensure the best possible usage of our solutions. The know-how we pass on to you will contribute to the efficient usage of the coolant.

On-site support

Our worldwide network of specialists will support you any time you need help using our coolants. Should you experience any problems, our experts will help you find the cause and solve it.



The QR-Code leads you directly to our helpful training videos.

AHB Clean Out Procedure

- Preliminary**
- Determine the capacity of the tank using the following formula:
 $L \times W \times H = \text{cubic inches (231 cubic inches per gallon)}$.
 - Add appropriate amount of Blasoclean to sump (if needed).
 - Run the machine normally for specified time (making sure coolant cycles during that time).

- Inside Machine Procedure**
- Pressure wash, steam clean and as necessary hand scrub the inside of the machine. Five key areas we concentrate on are:
 1. T-Slots
 2. Chip conveyor or auger
 3. Slots on table
 4. Way covers
 5. Around spindle and tool carousel
 - After completing the cleaning, a 3-5% solution of Blaser is sprayed on machined surfaces to prevent any flash rust while sump is being cleaned.

- Sump/Tank Cleaning**
- Empty sump using industrial vacuum sump sucker.
 - Remove sump covers. (All other components including way covers to be removed by customer)
 - Clean chip conveyor (Customer removal required - or cleaned as good as possible in place.
 - Remove all chips, sludge and other debris from sump. This may require hand scraping.
 - Power wash (steam clean). The steam is the most effective and safest way to destroy any biological growth that might exist in the tank.
 - The sump, filter vessels and conveyors are then vacuumed and hand wiped out.
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- Exterior of Machine**
- Using fresh coolant or a mild degreaser the external cabinet is wiped down.
 - Loose debris is swept and removed.

- Final Fill**
- Tank is filled to the proper level and concentration using the Blaser mixer.
 - Pump lines are flushed into holding buckets where possible and fluid is discarded.
 - Area around the tank is cleaned up.

*** Customer is responsible for removal/disposal of old coolant & debris.
AHB Cleanout personel are not allowed to disassemble electrical or mechanical machine components and are not allowed to use customer equipment including cranes, forklifts, etc...

Cleanout Video Link: <https://vimeo.com/156605202>

