



4 Tips for the service department

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When designing the Harbil Next Gen dispensers, our aim was for every Harbil dispenser to be as closely related to the other as possible. How much easier would life be if the same critical components could go in all three machines? Having a modular spare parts system also lowers your TCO and increases the service-friendliness.

Fitting these parts in the new HA180 turned out to be a challenge, however. With less space available, our product developers had to be at their most creative, also to ensure that the parts were easy to access and replace if needed.

Here are 4 tips for your service technicians when maintaining or making changes to the HA180:

1. Change the refill position with just 1 screw



Access to refilling the canisters has never been easier than with the HA180. The top refill lid turns open and shuts in just one movement, with magnets stopping the turntable in position. This turns to the right as standard but can just as easily be changed to the left or front by changing one screw.

2. Lift side panel off effortlessly

If you need to get to the piston pumps, for instance to replace a seal, opening the side panel is also easy.

Simply loosen the top and bottom hex screws, lift the side panel off and you're done.



3. Front access to components without disconnecting keyboard

The front panel is just as easy, for example if your technician needs to replace the gripper module.

Simply loosen the two bolts, lift the front panel off and hang it on either side of the dispenser using the handy bracket. You don't even have to disconnect the mouse and keyboard and you can keep using the operator display.



4. Hot swappable gripper module

We mentioned the gripper module above. Before, you had to unscrew the module, adjust the settings and exchange the faulty

part. It could mean considerable downtime before the machine was up and running again.

This gripper module actually clicks out and back in again easily, a bit like a printer cartridge. It contains the gripper, motor, electronics and sensors, and is **the ultimate hot swappable module.**

The service engineer can swap the entire old module for a new one and, back in the workshop, diagnose which part of the module is defective.



We'd like to point out that although we have made access to the innards of the Harbil series a lot easier to eliminate steps and save time, it is not allowed for unauthorized personnel to work on the machines from a safety perspective.