



## CG-1 Maintenance Checklist

When do I do it?	What do I do ?	Why is it important ?	How is it done ?	Check
Job Start	Check the knife setting	A badly set knife can cause models to fail but also can be the cause of model colour quality issues.	Use the knife setting tool provided in your accessory pack	
Job Start	Use clean magnetic mats	Poorly cleaned mats can lead to issues with the build stability.	Warm water only on a used mat will soften the paper and glue and make it easy to remove. Eventually these mats become badly worn or heavily compressed and need to be replaced.	
Job Start	Mat Placement	Incorrect mat placement can cause the machine to abort the job or incorrectly judge the location of the build level causing problems.	Ensure the mat is flush with reference positions (the 4mm raised edges) at the rear and LH side of the build table	
Job Start	Glue wheel cleaning.	A poorly cleaned glue wheel will cause model integrity issues because it impacts how the glue is laid down.	Use the tool and sponge provided in the accessory kit. Use the tool to remove large pieces of dried glue and a dampened sponge to clean the wheel itself. Check the User manual P31	
Job Start	check remaining glue	The machine will pause if the glue level falls below the minimum during a build. You could lose build hours if this happens when the machine is unattended.	Use CleanGreen3d Glue that is less than 1 year old and has been opened for 6 months or less for best results.	
Job Start	Check remaining ink	The machine will pause to notify the operator at 25% remaining of any colour. This pause could happen during an overnight build losing you valuable build time. To maximise build time its better to plan your ink use.	You can check this from the setup screen on the front panel or it is always displayed on the active job screen.	
Job Start	Clean the heat press. (Very Important!)	because the plate will tend to lift the last laminated layer immediately after a press operation. (You can hear the sound of a sticky heat plate very distinctively but you may also see the paper being lifted as the build plate drops) Its good practice to monitor for this as your CG-1 transitions from layer 3 (the last support layer) to layer 4 your first model layer.	Remove the access plate on the paper Waste (RH) side of the machine by carefully removing the 4 wingnuts. Take a damp paper towel and clean the mat using circular motions. (Be very careful if the plate is hot). After cleaning there will be no sticking noises after the press operation.	
Paper Replacement	Check that the paper roll ends are fully inserted into the paper roll when replacing paper.	Paper alignment can cause increased tension in the paper feed area with issues like paper tears resulting but it also make feeding paper through the machine at job start more difficult.	Visually the paper roll ends should be flush to the roll on both sides. You can also see evidence of this as damage to the holes in the paper on the top side of the paper where the tractors feed it into the machine	
As Required	Run Align Image regularly as needed.	Machine calibration is needed from time to time to ensure the blade and the print-head are correctly aligned with each other. Poor alignment will mean that the model cuts are outside the printed area causing issues with model quality. You can also sometimes see this as white patches on one side of a model that usually prints fine.	Run the Align Image job from the CG-1 memory and input the resulting calibration numbers. Instructions are in the User Manual. Buy a small battery hand vacuum like this with an extension tube for tight spots. Clean out the paper feed and waste areas and all around the top of the machine.	
Weekly	Clean the inside of the machine with a small vacuum cleaner.	Paper fragments and dust in general are the enemy of optical sensors and there are many of these in a CG-1.		
Weekly	Check that the build plate is clean.	Glue on the build plate will cause build failures and fragments of paper on it can cause issues during the pressing operation. (you'll see indentations on the top of your builds)	Make sure the machine is powered down so that the heat is off . Remove the waste side access panel by removing the four wing-nuts and using a small torch check the plate for debris. Cleaning with a damp sponge or cloth is enough. Do not use detergents or solvents.	
Monthly	Lubricate the machine.	All machines work better and last longer when they are regularly lubricated.	Follow the instructions in the User Manual P41	