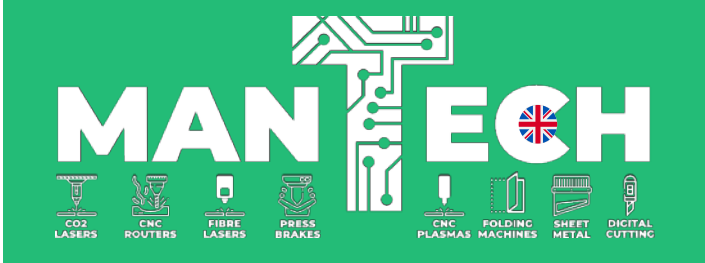


CO2 Laser Maintenance Schedule

Rev. 2

To be signed regularly by whomever undertakes scheduled maintenance.



Maintenance Year
Example: 2025

Daily	To be completed at the beginning of each shift.
Clean all mirrors & the lens (we recommend using a specific lens cleaning solution)	
Clean the knife bed/ honeycomb bed & remove debris from the cutting area.	
Keep the general machine surface clean.	

Weekly	To be completed at the beginning of each week.
Complete all daily maintenance tasks.	
Wipe down & re-grease the guide rails.	
Thoroughly clean the machine & remove any residues.	
Check the functionality & water level of the chiller.	

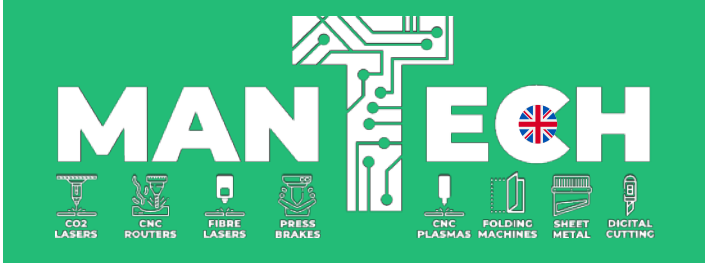
Monthly	To be completed at the end of the month.
Complete all weekly maintenance tasks.	
Grease all linear bearing cars & clean and lubricate rotary bearings where accessible.	
Check alignment of the laser tube & the laser path through the mirrors & lens.	
Check the chiller pipework & extract hosing for any damage or leaks.	
Check the tension of belts and chains & ensure there is no slipping.	

Annual	To be completed annually.
Turn off power & vacuum debris in the electrical cabinet.	
Clean all accessories, including air compressor filter.	
Change & refill the chiller water.	
Check the integrity of belts & bearings on transmission & replace if necessary.	
Ensure the bed is parallel to the machine's bridge.	

CO2 Laser Daily Maintenance Schedule

Rev. 2

To be signed regularly by whomever undertakes scheduled maintenance.



Maintenance Year

Example: 2025

Week 1	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Clean all mirrors & lens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean knife/ honeycomb bed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean Laser Head/ Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Week 2	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Clean all mirrors & lens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean knife/ honeycomb bed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean Laser Head/ Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

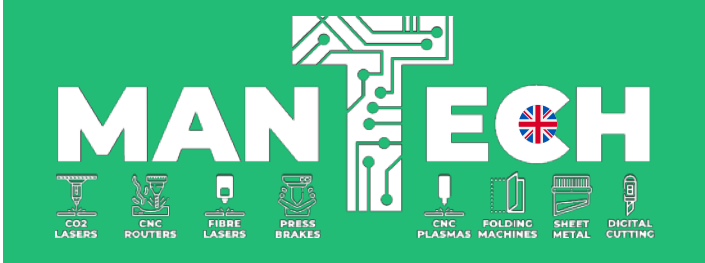
Week 3	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Clean all mirrors & lens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean knife/ honeycomb bed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean Laser Head/ Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Week 4	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Clean all mirrors & lens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean knife/ honeycomb bed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clean Laser Head/ Nozzle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CO2 Laser Weekly Maintenance Schedule

Rev. 2

To be signed regularly by whomever undertakes scheduled maintenance.



Maintenance Year

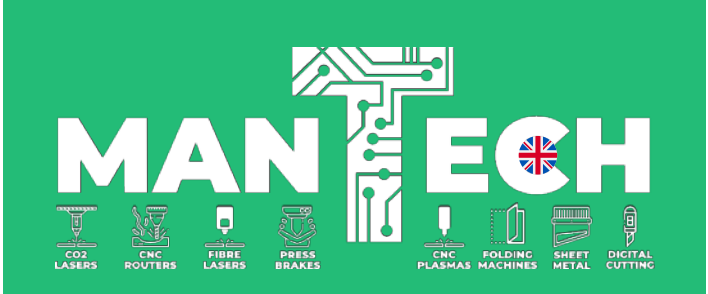
Example: 2025

Weeks	Complete all Daily Maintenance Tasks	Wipe Down & Re-grease the Guide Rails	Thorough Clean of the Machine & Remove Residue	Check Water Level & Functionality of the Chiller
1	Operator initials			
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				

CO2 Laser Monthly Maintenance Schedule

Rev. 2

To be signed regularly by whomever undertakes scheduled maintenance.



Maintenance Year
Example: 2025

Month 1	Signed
Complete all weekly maintenance tasks.	Operator initials
Grease all linear bearing cars & clean and lubricate rotary bearings where accessible.	
Check alignment of the laser tube & the laser path through the mirrors & lens.	
Check the chiller pipework & extract hosing for any damage or leaks.	
Check the tension of belts and chains & ensure there is no slipping.	

Month 2	Signed
Complete all weekly maintenance tasks.	Operator initials
Grease all linear bearing cars & clean and lubricate rotary bearings where accessible.	
Check alignment of the laser tube & the laser path through the mirrors & lens.	
Check the chiller pipework & extract hosing for any damage or leaks.	
Check the tension of belts and chains & ensure there is no slipping.	

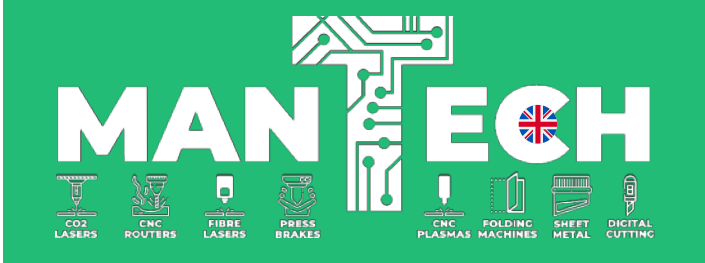
Month 3	Signed
Complete all weekly maintenance tasks.	Operator initials
Grease all linear bearing cars & clean and lubricate rotary bearings where accessible.	
Check alignment of the laser tube & the laser path through the mirrors & lens.	
Check the chiller pipework & extract hosing for any damage or leaks.	
Check the tension of belts and chains & ensure there is no slipping.	

CO2 Laser Annual Maintenance Schedule

Rev. 2

To be signed regularly by whomever undertakes scheduled maintenance.

Mantech UK Ltd recommends that a 12-month full Health Check and Service is carried out by their Service Engineers. You can contact Mantech UK Ltd directly for more information on this.



Maintenance Year
Example: 2025

Year 1	Signed
Turn off the power & carefully vacuum out any debris in the electrical cabinet.	Operator initials
Clean all accessories, including the air compressor filter.	
Change & refill the chiller water.	
Check the functionality & water level of the chiller.	
Ensure the bed is parallel to the machine's bridge.	

Year 2	Signed
Turn off the power & carefully vacuum out any debris in the electrical cabinet.	Operator initials
Clean all accessories, including the air compressor filter.	
Change & refill the chiller water.	
Check the functionality & water level of the chiller.	
Ensure the bed is parallel to the machine's bridge.	

Year 3	Signed
Turn off the power & carefully vacuum out any debris in the electrical cabinet.	Operator initials
Clean all accessories, including the air compressor filter.	
Change & refill the chiller water.	
Check the functionality & water level of the chiller.	
Ensure the bed is parallel to the machine's bridge.	