



Q: For which laser power does 3YO Slat Juice work?

A: It has been successfully tested from 2kW up to 50kW

Q: For which plate thickness does 3YO Slat Juice work?

A: It has been successfully tested from very thin sheet metal up to 2" material

Q: Which type of slats materials can 3YO Slat Juice protect?

A: It will work with all types of slats - mild steel, copper, aluminum, etc.

Q: Is 3YO Slat Juice efficient with all types of plate materials?

A: Yes, it will work with mild steel, stainless steel, aluminum, etc.

Q: How often do I have to apply 3YO Slat Juice on my laser cutting machine slats?

A: As per label, it depends on the number of shifts the machine operates:

- Every 2-6 working days for 3 shifts
- Every 7-9 working days for 2 shifts
- Every 12-18 working days for 1 shift

Based on the power used, materials cut, dynamics of the machine and the use of automation, the number of days between application may vary by +/- 3 days. But the quantities will remain the same.

As the product is biodegradable, it must always be reapplied within a maximum of 28 days, as its performance degrades within this timeframe due to its biodegradability.

Q: After applying 3YO Slat Juice, how long do I have to wait before cutting?

A: Cutting can be done immediately after the 3YO Slat Juice application.

It is possible to have up to 3 days before the 3YO Slat Juice application and the first cutting operation. For example, 3YO Slat Juice can be applied on Friday evening and cutting can start on Monday morning

Q: Can I apply 3YO Slat Juice on dirty slats?

A: No, the slats must be either new or clean before applying 3YO Slat Juice

Q: Should 3YO Slat Juice be used only on a new table, or can it also be used on a mechanically cleaned table?

A: Both. For optimal performance, the product should be applied to a properly cleaned table, or ideally, to a new one. After the initial application, only simple mechanical cleaning is required before reapplying the product.

Q: How can I clean the slats before reapplying 3YO Slat Juice?

A: The slag will easily detach from the slats. So, they can be cleaned using a steel brush or they can also be vibrated. If available, a slat cleaner may also be used.

Q: Can I apply 3YO Slat Juice with a brush or another method?

No, the 3YO GUN must always be used to ensure proper performance. Always refer to the 3YO GUN Operation and safety manual

Q: Does 3YO Slat Juice have any side effects on post cutting processes? Does it affect plating, anodizing, powder coating, etc.? Can it cause discoloration, stains and other defects?

A: The fluid has no side effects on any metal when applied according to the instructions and the guidelines provided. It is not the liquid itself that protects, but

the reaction that occurs upon contact with heat. This reaction transforms the dry components of the liquid into an invisible film that leaves no residue upon contact

Q: What is the shelf time of 3YO Slat Juice?

A: The product can be stored for at least 2 years if the jugs haven't been opened. Once open, it shall be used within 1 year

Q: Can I store 3YO Slat Juice anywhere in my workshop?

A: The 3YO Slat Juice jugs must not be in direct sunlight. The storage area should be kept clean, dry, dust, odor, pest free

Q: Is 3YO Slat Juice flammable?

A: No, the liquid is not flammable if applied on the laser cutting machine slats. But the jug should not be exposed to direct flames

Q: Can 3YO Slat Juice be used on the laser cutting machine nozzle?

A: No, 3YO Slat Juice is only to protect the slats. For the nozzles, 3YO WG Shop Juice is recommended

Q: Can 3YO Slat Juice also be used on plasma cutting machines?

A: Yes, but in this case, it should be used to the entire area underneath the table (Slag deflectors and Catch Trays).
Slat protection is not as ideal compared to laser slat protection

Q: Can 3YO Slat Juice also be used on oxyfuel cutting machines?

A: Due to the lower throughput and extreme heat, it is not recommended for this application