



Technical data sheet

3YO TS

Ready biodegradable and 100% natural liquid for the protection of the workbenches of CNC laser cutting machines

Introduction

3YO TS can be used on any CNC laser cutting machines, regardless of the gas type, laser source, power, metals and thicknesses to be cut.

3YO TS avoids slag deposits onto the slats during cutting operations ⁽¹⁾. The frequency of cleaning operations can therefore be largely reduced. And when necessary, the cleaning is much easier as residues easily fall off by mean of a steel brush.

Main advantages:

- Reduced downtime
- Lowered maintenance costs
- Increased productivity
- Better quality and cutting operations
- Environmentally friendly

⁽¹⁾ Subject to application with 3YO GUN and as per specified quantities in the table on the label

Technical characteristics

| | |
|------------------------------------|---|
| Physical state: | liquid, 100% natural, non-pressurized |
| Color: | Orange |
| pH: | 7.5 on average |
| Boiling point: | 300°C |
| Density: | 920 kg/m ³ |
| Solubility in water: | insoluble |
| Solubility in organic solvent: | soluble |
| Residues: | small residues in containers do not indicate product alteration |
| Percentage of natural ingredients: | 100% |
| Biodegradability: | ready biodegradable (maximum level of OECD3018 standard) |

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Application

The 3YO TS liquid shall be sprayed exclusively with 3YO GUN to ensure proper application and optimal performance. It must be used pure and cannot be mixed with any other products.

3YO TS shall be applied onto new or cleaned slats as per specified quantities and frequencies in the table on the label.

Check the quantity required for your laser cutting workbench, based on its dimensions and number of shifts of operations. Pour the corresponding quantity into the tank of the 3YO GUN and apply a thin film onto each and every slat, spraying first from the top, then from the sides.

Cutting operations can start immediately after but no more than 3 days after the application.

Repeat according to the number of shifts of operations: every 5 working days for 3 shifts, every 10 working days for 2 shifts, every 15 working days for 1 shift. As per specifications in the table on the label.

The 3YO GUN shall be cleaned once a month using water and a natural detergent, by spraying to flush its internal circuit.

Precautions

3YO TS and 3YO GUN shall only be used for the mentioned application.

Do not swallow

Packaging

3YO TS is supplied in containers of 5 liter. The containers shall be properly disposed for recycling once empty.

Storage

3YO TS shall be stored in a cool and dry place, in its original container.

Expiry date is mentioned on the containers.

Do not stack