

# **STATEMENT OF WORK**

## **EOS Extended Warranty**

### **1. Objective/Requirements**

Marshall Space Flight Center requires an Extended Warranty on their EOS M290 and EOS M100, to perform repairs, upgrades, and preventive maintenance operations for one year from the current warranty expiration in January 2025.

### **2. Characteristics, Scope, and Specs**

- **Inspection**

The Inspection covers the regular checking of the systems for good condition and correct function ("Inspection"). During the Inspection, EOS checks the following parts of the systems on-site. Depending on the System type, deviations may occur:

- Visual Inspection and function test of important assemblies
- Measurement for correct setting of electrical and mechanical components or assemblies
- Inspection of the optical system including focus position, skywriting and laser power
- Check of safety-critical joints/connections for correct seating (bolts, hoses, electrical and optical connections)
- Check of the safety circuit and its correct function
- Test run without powder or exposure (process conditions are established, platform movements, safe operation)

The Inspection is undertaken once a year at the location of the system at a time agreed with the customer. As an option, shorter service intervals can be agreed for an additional charge. EOS prepares a service report for each Inspection visit. EOS submits the service report to the customer after each Inspection; the service report informs the customer about any defects found during the Inspection.

- **Maintenance**

The Maintenance covers regular servicing activities to prevent wear, to maintain the systems in correct, trouble-free working order ("Maintenance"). The Maintenance activities cover in general:

- Cleaning work that cannot be undertaken by the user due to trim panel elements or safety features
- Check on the safety circuit and its correct function
- Replacement of wearing Parts (preventive replacement of defined components specified for Maintenance)
- Cleaning and lubrication of components

- Checking and adjusting electrical and mechanical components
- Check on the laser power (inside the process chamber)
- Maintenance of chiller
- Visual inspection and function test on the assemblies serviced
- Test run without powder or exposure (process conditions are established, platform movements, safe operation)
- Polymer: Building a QA job and evaluating or checking the built parts according to EOS standards

Not all activities will always be conducted. The activities are configured according to the age of the system and the maintenance cycle. The maintenance is undertaken once a year at the location of the system at a time agreed with the customer. As an option, shorter service intervals can be agreed for an additional charge.

EOS prepares a service report for each maintenance visit. EOS submits the service report to the customer each time after maintenance; the service report informs the customer about any defects found during the maintenance.

- **Repair**

EOS supports the customer with the rectification of malfunctions on systems outside the regular schedule for maintenance, inspection, and calibration. For this purpose, EOS has an on-call service that can be contacted during regional business hours for reports about malfunctions. EOS determines at its reasonable discretion whether the malfunction can be rectified by tele-phone or remote access, or whether an on-site visit is required. Services from the repair area are available equally for all EOS systems.

The following parts are included in this category:

- Laser
- Scanner
- F-Theta lens
- Window for the F-Theta lens

### **3. Place of Performance**

Marshall Space Flight Center in Huntsville, AL

### **4. Period of Performance**

Warranty shall cover from January 30, 2025, to January 30, 2026