

# MTI - Customer Authorization for Processing of Work Controlled by Specification

(Completion of this form is required for any order that references AMS, MIL, or other specification which places controls on process, inspection, or other requirements before it will be released for processing. A minimum of 24 hours will be required for contract review on each order.)

Customer: \_\_\_\_\_ PO#: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_  
 PN: \_\_\_\_\_

Customer Contact/Title: \_\_\_\_\_ Signature: \_\_\_\_\_

Check one

**This is an Aircraft, Space or Defense Order** that requires Heat Treating & Testing in accordance to the specification/standard \_\_\_\_\_ (requires 100% Hardness Testing and/or as allowed by AMS2759; Sect 4.3.1.1 – Table 2 and AMS-H-6875)

**This is an Aircraft, Space or Defense Order** that requires Heat Treating & Testing in accordance to the specification/standard \_\_\_\_\_ but with the changes listed:  
 \_\_\_\_\_  
 \_\_\_\_\_

Test Sample Size: \_\_\_\_\_  
 (All changes must be in writing as stated in AMS2759 from Cognizant Engineer/Prime Customer/End User)

**This Is Not an Aircraft, Space or Defense Order:** Heat Treat to \_\_\_\_\_ Hardness/Results.  
 Test Sample Size: \_\_\_\_\_

For MTI use only

Rec'd at MTI by: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ With order: Y/N \_\_\_\_\_

Approved by: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

NOTES:

## AMS2759; Sect: 4.3.1.1, "Table 2"

4.3.1.1 Frequency of hardness testing shall be in accordance with Table 2. When hardness testing would be destructive or impractical to accomplish, the method for verification of correct heat treatment shall be as specified by the cognizant engineering or quality engineering organization.

TABLE 2 - HARDNESS TESTING

Operation	Test Frequency (1)
After final operation (hardening and tempering, aging, etc) (See 8.2.8, 8.2.9 and 8.2.10).	Every part (2), (3)
After intermediate operations, when required (austenitizing and quenching, annealing, normalizing, solution heat treating, etc) (See 8.2.7, 8.2.8, 8.2.11 and 8.2.12).	One part from each lot
After thermal processing subsequent to final hardening operation (stress relieving, hot or warm straightening, baking prior to plating, etc) (See 8.2.5 and 8.2.6).	One part from each lot
After thermal processes subsequent to shot peening, plating, painting, etc (baking after plating, drying, etc).	Not required

NOTES:

1. Each detail of a weld assembly shall be considered as a separate part.
2. Statistical sampling is permitted when authorized by the cognizant quality assurance organization or when parts are subjected to 100% testing after thermal processing subsequent to final hardening operation.
3. When statistical sampling is authorized, random samples shall be selected and tested in accordance with ANSI/ASQC Z1.4 at AQL of 1.5 or less.