

**F-7-2-9B
HEAT TREAT
REQUISITION CARD**

AS9100-C & ISO 9001:2008 REGISTERED

COMPANY NAME: _____ CONTACT: _____ PHONE #: _____ Ext.: _____ DATE: _____
Please sign or initial: _____ Please indicate required delivery DATE: _____

MATERIAL: _____		PART #: _____		JOB #: _____		P.O. #: _____		# of Pcs.: _____					
<u>PROCESSING:</u> Please indicate your requirements by checking the appropriate box.													
HARDENING: <input type="checkbox"/>	# OF TEMPER: 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	VACUUM TEMPER: YES <input type="checkbox"/>	NO <input type="checkbox"/>	STRESS RELIEVE: <input type="checkbox"/>	STRESS TEMPER: <input type="checkbox"/> at Temp. _____ °F						
AGEING: <input type="checkbox"/>	VACUUM AGEING: YES <input type="checkbox"/>	NO <input type="checkbox"/>	THERMONITE SM : <input type="checkbox"/>	CASE DEPTH: 0.002"-0.004" <input type="checkbox"/>	0.004"-0.006" <input type="checkbox"/>	0.006"-0.010" <input type="checkbox"/>	MAXIMUM <input type="checkbox"/>						
VACUUM ANNEALING: <input type="checkbox"/>	SOLUTION ANNEALING: <input type="checkbox"/>	CRYOGENICS: <input type="checkbox"/>	WELDING: <input type="checkbox"/>	OTHER: _____									
HEAT TREAT PER: _____		End User Specification: <input checked="" type="checkbox"/>			Böhler-Uddeholm Thermo-Tech Recommendation: <input checked="" type="checkbox"/>			END USER: _____					
SPECIAL INSTRUCTIONS: _____ _____													
<u>LAB SERVICES:</u>		<u>FAILURE ANALYSIS:</u> <input checked="" type="checkbox"/>		<u>IMPACT TESTING:</u> <input checked="" type="checkbox"/>		<u>HARDNESS TESTING:</u> <input checked="" type="checkbox"/>		<u>MICROSTRUCTURE EXAM:</u> <input checked="" type="checkbox"/>		<u>OTHER:</u> <input checked="" type="checkbox"/>			
ITEM	DESCRIPTION	DETAIL #	I.D./ SN #	HEAT #	WEIGHT Lbs.	STEEL P.O.	No. of COUPONS ATTACHED		MICRO-STRUCTURE REQUIRED		THERMOCOUPLE HOLE PROVIDED		HARDNESS HRC
							0, 1, 2, 3		YES	NO	SURFACE	CORE	
#1									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
#2									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
#3									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
#4									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
#5									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was stress relieving performed (prior to semi-finish machining)?				YES <input type="checkbox"/>	NO <input type="checkbox"/>	(See Note #1 pg. 2)							
What is the machining allowance per side?				(_____ ")	(See Note #2 pg. 2)								
Was EDM performed prior to hardening?				YES <input type="checkbox"/>	NO <input type="checkbox"/>								
If so, was recast layer completely removed?				YES <input type="checkbox"/>	NO <input type="checkbox"/>	(See Note #3 pg. 2)							
Was any welding performed prior to hardening?				YES <input type="checkbox"/>	NO <input type="checkbox"/>								
If so, do you want Thermo-Tech to Re-Anneal the Tool?				YES <input type="checkbox"/>	NO <input type="checkbox"/>	(See Note #4 pg. 2)							
Is EDM planned after heat treatment?				YES <input type="checkbox"/>	NO <input type="checkbox"/>								
If so, which EDM process?				SINK <input type="checkbox"/>	WIRE <input type="checkbox"/>	(See Note #5 pg. 2)							
Do you plan any subsequent coating operations?				YES <input type="checkbox"/>	NO <input type="checkbox"/>	(See Note #6 pg. 2)							
								<u>CERTIFICATION</u>					
								LEVEL 1: <input type="checkbox"/> HARDNESS ONLY					
								Please note: Additional charges apply for Levels 2-5					
								LEVEL 2: <input type="checkbox"/> PROCESS PARAMETERS					
								LEVEL 3: <input type="checkbox"/> LEVEL 1 + MICROSTRUCTURE					
								LEVEL 4: <input type="checkbox"/> LEVEL 3 + PHOTO AND 9 POINT HARDNESS CHECK					
								LEVEL 5: <input type="checkbox"/> LEVEL 4 + FURNACE CHARTS					
								All work processed is subject to MTI Statement of Liability, Copy available upon request.					