No. 10/2011

TITLE:REVISION: FDATE: 6/19/2024SUPPLIER CERTIFICATION REQUIREMENTS				
DESCRIPTION: Kamatics Method of Standardizing Supplier Certification Requirements				
Approval	Title	Date		
_ Clivis Dame	Manager, Supplier Quality	6/21/2024		
Lynn Deneault	Manager, Purchasing _	6/19/2024		
PREPARED BY: C. Musco	ISSUE DATE:	6/21/2024		
OTHER ATTACHMENTS: Exhibit "1" - Sample Cert of Conformance (Form 10/2011-1)				
Exhibit "2" - Example Cert Traceability to Kamatics PO Exhibit "3" - Reference Examples For Kamatics PO & Print Location Guidelines				

1.0 SCOPE

This procedure provides Kamatics and their suppliers with standard documentation criteria requirements for the development and acceptance of certifications.

2.0 **RESPONSIBILITY**

2.1 The Director, Quality Assurance and Manager, Supplier Quality is responsible for establishing and maintaining this procedure.

3.0 REFERENCES

- 3.1 Operating Procedure <u>10/1029</u>: "Control of Nonconforming Product"
- 3.2 Operating Procedure 10/1010: "Receiving Inspection"
- 3.3 Operating Procedure <u>10/1011</u>: "Supplier Source Inspection Procedure"

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4.0 **DEFINITIONS**

- 4.1 <u>Certification</u>: The documented result of compliance with established criteria as determined by Kamatics Corporation.
- 4.2 <u>Process Supplier</u>: A supplier who performs a series of operations in the making or treatment of a product. Various types of processing operations include, but are not limited to are; raw material, metal finishing, heat treatment, coating, welding, NDT, metallurgical testing, etc.
- 4.3 <u>Subcontract machine supplier</u>: A supplier that manufactures parts, components or services for Kamatics.
- 4.4 <u>Heat Lot Number</u>: A number that allows for traceability of materials used in the production of a part or component.
- 4.5 <u>Certified Supplier</u>: A supplier who can inspect and accept product conformity at their facility without Kamatics performing Receiving Inspection, as defined in this procedure.
- 4.6 <u>Approved Supplier List (ASL)</u>: List of Kamatics suppliers approved to provide products, services, processes, or production support.

5 MINIMUM PROCESS CERTIFICATION REQUIREMENTS

5.1 ALL PROCESS AND RAW MATERIAL SUPPLIERS

- Supplier Information (Name, Address, Phone)
- Kamatics Name
- Kamatics Purchase Order
- Kamatics B/P Requirements
- Kamatics Purchase Order Requirements (Specific Instructions in addition to B/P Requirements)
- Kamatics Part Number & Revision (1)
- Quantity of Product
- Component Serial Numbers (when referenced on the Kamatics Purchase Order) (1)
- Specifications (as applicable)
- Specification Revision
- Supplier Certification Number
- Third Party Process System Accreditations or Approvals (Nadcap, FAA, Repair Station, etc.) If applicable

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- Certification Date
- Certification Authorization Approval (Signature and Title)
- Mercury Free Contamination Statement (If applicable)

(1) Exclusion: Raw Material Suppliers

5.2 RAW MATERIAL (ADDITIONAL)

- Product Description (Material Type, Condition, Size, etc.)
- Material Heat Number
- Heat Treat Batch No. (If applicable)
- Applicable Process Specifications
- Quality Test Requirements (NDT, Hardness, Metallurgical, etc.)
- Chemical & Physical Analysis
- Material Country of Origin

5.3 HEAT TREAT (ADDITIONAL)

- 6 Product Description (Material Type, Condition, Size)
- Material Heat Number
- Heat Treat Batch No.
- Quality Test Requirements (Hardness, Metallurgical etc.)
- Hardness Requirements: 100 Percent or Approved Sampling Plan Used, including; Number of Parts, Quantity of Parts Tested & Test Coupons Accepted/Rejected, with their Actual Range of Value

5.4 NDT (ADDITIONAL)

- 7 Product Description (Material, Condition, Size)
- Process & Quality Specifications
- Acceptance Criteria
- Certification Authorization Approval (Name, Signature, Stamp No. & Level 2 or 3 Title)

5.5 PROCESS (CHEMICAL, COATING, WELDING, ETC.) – ADDITIONAL

• Specific Quality Test Requirements

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5.6 TESTING (METALLURGICAL – CHEMICAL/PHYSICAL, ETC.) – ADDITIONAL

- 8 Product/Sample Description (Material Type, Condition, Size)
- Material Heat Number
- Heat Treat Batch No. (If applicable)
- Test Description
- Test Parameters (If applicable)
- Test Results

5.7 SUBCONTRACT MACHINE SUPPLIERS

- 5.7.1 A Certificate of Conformance is required with each shipment; indicating all material and process sources, and identity to specific certifications, heat numbers, and test reports (Example: Sample Certificate of Conformance – Form 10/2011-1).
 - 5.7.1.1 Instances in which a supplier is responsible for obtaining and using material for manufacture will require that either the packaging list OR the distributor certificate of compliance be included in the cert package. All documents included in the cert package must maintain traceability back to the mill which provided the material A heat lot number must be included on all documents to ensure traceability of the material from the mill, to the distributor and supplier. If any documents are missing or fail to include the correct heat lot number , WI-10/1010-1 shall be followed to create a certification correction request. See Exhibit 2 for reference.
- 5.7.2 All certifications and test reports must be submitted with the initial shipment of parts. Subsequent shipments of the same material and process identity need only include a fully completed certificate of conformance referencing prior packing list, which the original certifications were submitted under.
- 5.7.3 Subcontract machine suppliers contracted by Kamatics to provide additional product process operations, as specified in section 4.2, shall assure sub-tier flow-down of Kamatics certification requirements in accordance with this procedure and the following exceptions of section 5.1:
 - Kamatics Name
 - Kamatics Purchase Order

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5.8 EXAMPLES

- 5.8.1 Reference Exhibit "1" for example of Cert of Conformance (Form 10/2011-1)
- 5.8.2 Reference Exhibit "2" for examples of Kamatics Purchase Order and Print Location Guidelines.
- 5.8.3 Reference Exhibit "3" for examples of Cert Traceability to Kamatics PO

6.0 LIMITATIONS

6.1 Not Applicable

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FOR REFERENCE ONLY

EXHIBIT "1" – Sample Cert of Conformance (Form 10/2011-1)

Kamatics Corporation

KAMAN

SAMPLE CERT OF CONFORMANCE

SUPPLIER NAME & ADDRESS

KAMATICS P.O. NO	_ITEM NO	SUPPLIER INVOICE NO
KAMATICS P/N	_REV	DATE OF SHIPMENT _/_/_
SUPPLIER JOB NO	QTY	

MATERIAL & PROCESS CERTIFICATION

[SUPPLIER] CERTIFIES THAT THE PARTS NOTED ABOVE HAVE BEEN PROCESSED AND ACCEPTED IN ACCORDANCE WITH ALL BLUEPRINT & SPECIFICATION REQUIREMENTS AS FOLLOWS:

RAW MATERIAL:

KSM (KAMATICS SUPPLIED): KA	MATICS SHIPPING ORDER NO.
DAW MATERIAL HEAT NO.	
MATERIAL CERTIFICATION ATTACHED	D Y / N ; IF NO – PREVIOUSLY SUBMITTED? DATE/P/S#
HEAT TREATMENT:	
HEAT TREAT SOURCE:	
HEAT TREAT CERTIFICATION ATTACH	IED Y / N; IF NO – PREVIOUSLY SUBMITTED? DATE_/P/S#
ADDITIONAL PROCESSES:	

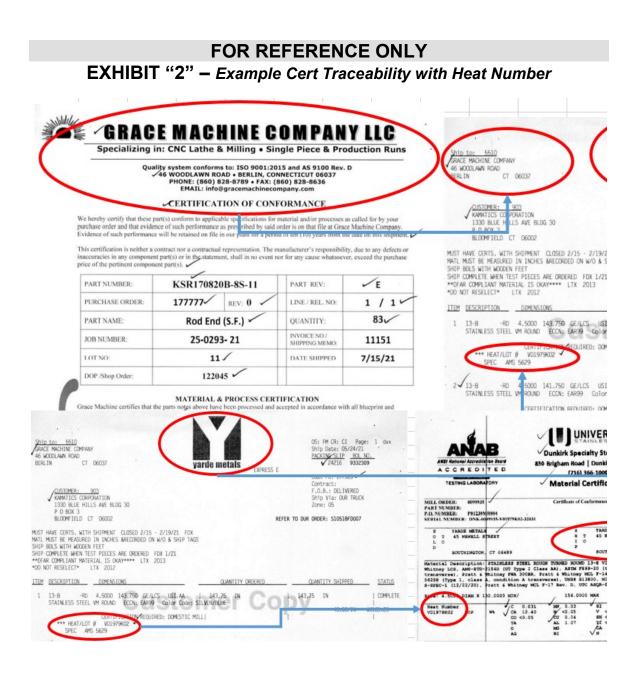
QUALITY ASSURANCE

Form 10/2011-1 Rev. 10/08

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EXHIBIT "3" – Reference Examples For Kamatics PO & Print Location Guidelines

Sample PO / Print Explanation

(To show where information required on certifications can be found)

All Suppliers:

- A) Supplier name, address, phone
- B) Kamatics name
- C) Kamatics Purchase Order
- D) Kamatics blue print requirements
- E) Kamatics PO requirements
- F) Kamatics Part Number and revision
- G) Quantity of product
- H) Serial numbers when referenced

Heat Treat Additional:

- I) Material Heat Number
- J) Product description (material type, condition, size)
- K) Process Specifications & quality requirements
- L) Acceptance criteria

NDT Additional:

- M) Product description (material type, condition, size)
- N) Process Specifications & Acceptance Criteria

Process (Chem, Coat, Weld, etc) Additional

O) Process Specification and quality requirements

<u>Testing (Metallurgical- chem /physical)</u> <u>Additional:</u>

- P) Product description (material type, condition, size)
- Q) Material heat number
- R) Heat treat batch number, if applicable
- S) Test description
- T) Specifications
- U) Test parameters, if applicable

Ref:	<u>Opera</u>	ting Proc	<u>cedure:</u>
	<u>No.</u>	10/2011	

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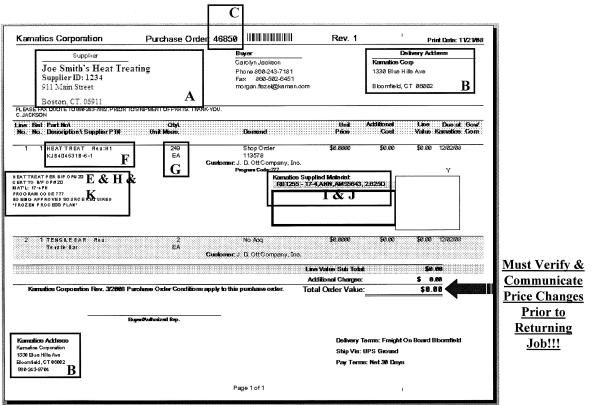
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EXHIBIT "3" Continued – Reference Examples For Kamatics PO & Print Location Guidelines – Heat Treat PO (Parts)

Heat Treat PO (Parts)



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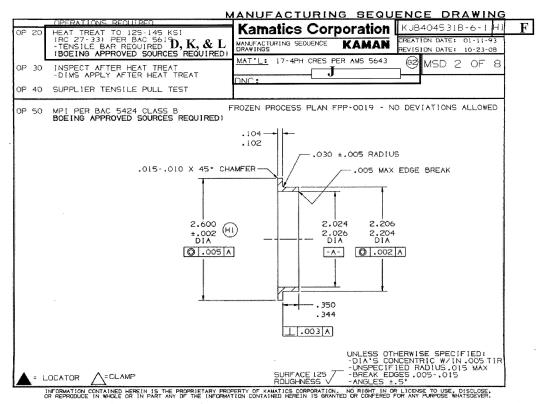
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EXHIBIT "3" Continued – Reference Examples For Kamatics PO & Print Location Guidelines – Heat Treat Print (Parts)

Heat Treat Print (Parts)



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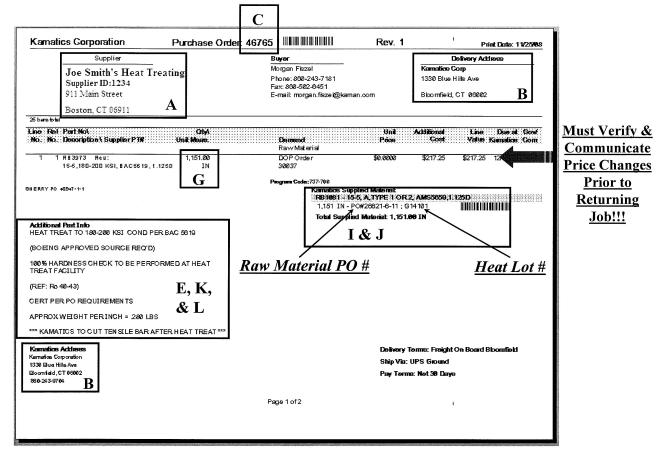
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EXHIBIT "3" Continued – Reference Examples For Kamatics PO & Print Location Guidelines – Heat Treat PO (Bar Stock)

Heat Treat PO (Bar Stock)



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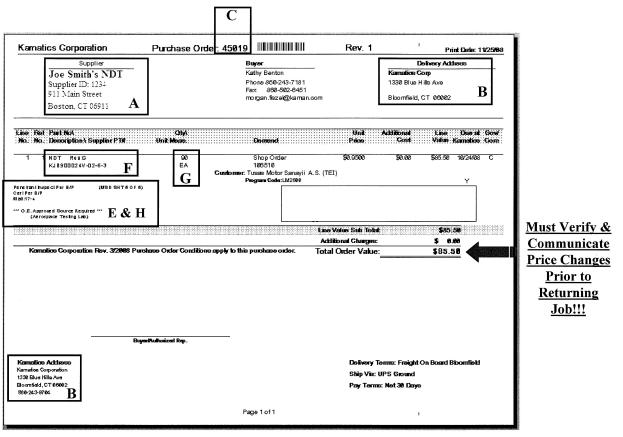
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EXHIBIT "3" Continued – Reference Examples For Kamatics PO & Print Location Guidelines – NDT PO

NDT PO



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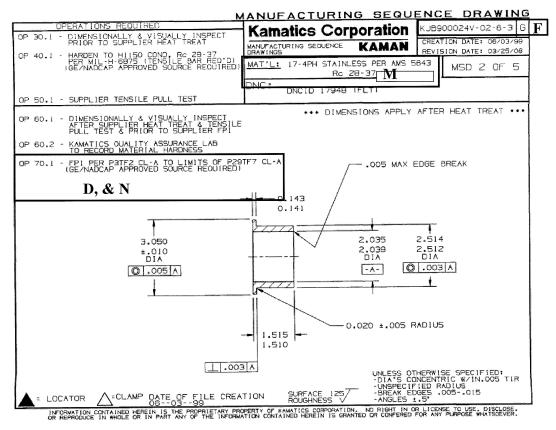
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EXHIBIT "3" Continued – Reference Examples For Kamatics PO & Print Location Guidelines – NDT Print

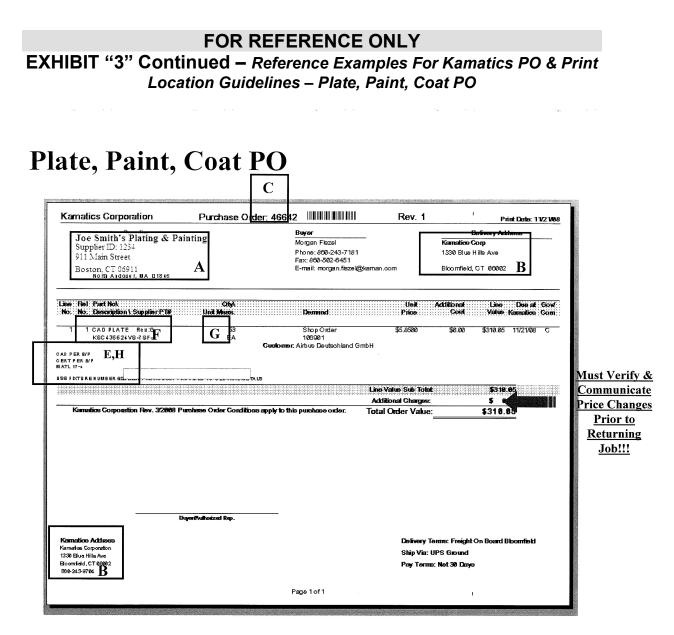
NDT Print



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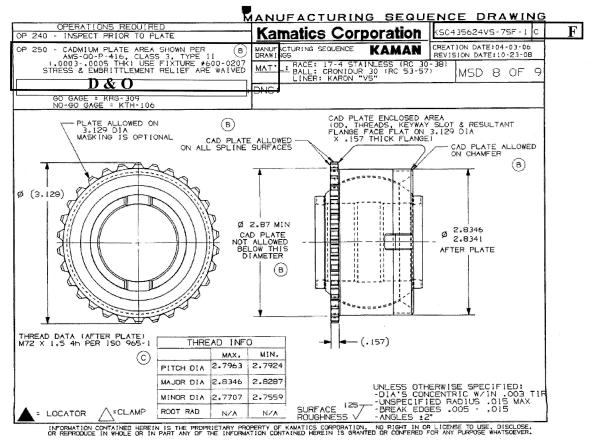
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EXHIBIT "3" Continued – Reference Examples For Kamatics PO & Print Location Guidelines – Plate Print

Plate Print



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EXHIBIT "3" Continued – Reference Examples For Kamatics PO & Print Location Guidelines – Testing PO

Festing PO	С		
	Drder: 46598		# Darie: 11/25/08
Supplier Joe Smith's Testing Lab Supplier ID: 1234 911 Main Street Boston, CT 06911	Buyer Garolyn Jackson Phone 880,243-7181 Fax 860-502-8451 morgan.fiszel@kaman.com	Defeary Add Karnatios Corp 1330 Blue Hills Ave Bloomfield, CT 06002	B
Line Rel Part Not No. Description Supplet P19 on Mose 1 A ctipe Set provident Supplet P19 of Mose R (<i>When available</i>) G EA ourseton rest Sing Extra per ASTM-E-117.			Due al: Goof anidătie: Cont 11/24/08
net: NIL-DTL-SS4F monihity testrag. Net: Processing paretie wing a Gélagan e nack. A lest reports multishe haityovane process paretie veltag a Gélagaree nack. Pases con bicliGeorge Betrail (SBG) 765-2220, if any contosion is bound betrar Bio Jo Ro Re No. (Wo NTH or in Kovenski Bit)	E, H, P, Q, R, S, T &	U	
P EASE RETURN YELDW GASE "Immedicate return after testing"	Add	Value Sub Totat \$2483. Bional Charges: \$ 8.6	<u>Communicate</u>
Kamatice Corporation Rev. 3/2003 Purchase Oxfor Cond	litions apply to this purchase order. Total	Order Value: \$203.0	<u>Price Changes</u> <u>Prior to</u> <u>Returning</u> <u>Job!!!</u>
Kannatics Activess Kannatics Coportion 1330 Eluc Hills Ava Boornield, CT 06002 380-243-9704		Delivery Terma: Freight On Board Bl Ship Via: FedX (First Overnight) Pay Terma: Net 30 Days	oomfie ki
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