



**Kreis Tool & Manufacturing Defined Processes Cross Reference  
to AS 9100 Rev. B Requirements**

AS9100 Clause #	AS9100 Section #	AS9100 Section Title	Document Type / Level	Process Owner	KTMC Procedures or Work Instructions
<b>4.0</b>		<b>QUALITY MANAGEMENT SYSTEM (TITLE ONLY)</b>			
4.1		General Requirements			
4.2	4.2.1	General			
	4.2.2	Quality Manual	QA Manual	Exec	Quality System Overview/Inter Action, Cross Reference Matrix to AS 9100 Rev. B
	4.2.3	Control of Documents	Procedure	Exec	Document Control Procedures
			Form	Exec	Document Control Flowchart Cross Reference to AS 9100 Rev. B
4.2.4	Control of Records	Procedure	Exec	DocumentControlProcedures/Document Control Matrix	
4.3		Configuration Management	Procedure	Exec	Configuration Management Procedure
<b>5.0</b>		<b>MANAGEMENT RESPONSIBILITY (TITLE ONLY)</b>			
5.1		Management Commitment		Exec	Company Mission and Quality Statement
5.2		Customer Focus			
5.3		Quality Policy		Exec	Company Mission and Quality Statement
5.4		<b>Planning (TITLE ONLY)</b>			
	5.4.1	Quality Objectives		Exec	Company Mission and Quality Statement
	5.4.2	Quality Management System Planning			
5.5					
	5.5.1	Responsibility and Authority	Procedure	Exec	Organization Chart
	5.5.2	Management Representative			
	5.5.3	Internal Communication			
5.6		<b>MANAGEMENT REVIEW (TITLE ONLY)</b>			
	5.6.1	General	Procedure	Exec	Management Review Meeting Requirements
	5.6.2	Review Input			
	5.6.3	Review Output	Procedure	Exec	Management Review Web: QualitySystem/ManagementReview
<b>6.0</b>		<b>RESOURCE MANAGEMENT (TITLE ONLY)</b>			
6.1		Provision of Resources			
6.2		<b>Human Resources (TITLE ONLY)</b>			
	6.2.1	General			
	6.2.2	Competence, Awareness and Training	Procedure	Op	Training Flowchart, Training Record
6.3		Infrastructure	Work Instruction	Op	Daily/Weekly Machine Preventive Maintenance Form
6.4		Work Environment			
<b>7.0</b>		<b>PRODUCT REALIZATION (TITLE ONLY)</b>			
7.1		Planning of Product Realization	Procedure	Op	Production Overview Flowchart, Manufacturing Workflow Overview
7.2		<b>Customer-Related Processes (TITLE ONLY)</b>			
	7.2.1	Determination of Requirements Related to the Product	Procedure	Admin	Quote Process Flowchart, Order Processing/Contract Review, Order Change Process Flowchart
	7.2.2	Review of Requirements Related to the Product	Procedure	Op	Production Overview Flowchart, Manufacturing Workflow Overview
	7.2.3	Customer Communication	Procedure	Op	Order Processing/Contract Review, Order Change Process Flowchart
7.3		<b>Design and Development (TITLE ONLY) - N/A</b>			
7.4		<b>Purchasing (TITLE ONLY)</b>			
	7.4.1	Purchasing Process	Procedure	Mat'l	Purchasing Flowchart, PurchasingProcedureDescribed
			Procedure	Mat'l	Supplier Approval Process
			Work Instruction Form	Mat'l	Supplier Selection Criteria, New Supplier Approval Form Supplier Corrective Action Request Form
	7.4.2	Purchasing Information	Work Instruction	Mat'l	Receiving flowchart, Inspection Process Flowchart?
			Work Instruction	Mat'l	Approved Supplier List
			Work Instruction	Mat'l	Supplier Approval Process, Supplier Selection Criteria, New Supplier Approval Form
7.4.3	Verification of Purchased Product	Procedure	Mat'l	Receiving flowchart, Inspection Process Flowchart?	
		Procedure	QA	Inspection Process Flowchart	
7.5		<b>Production and Service Provision (TITLE ONLY)</b>			
	7.5.1	Control of Production and Service Provision	Procedure	Mat'l	Production Overview Flowchart
	7.5.1.1	Production Documentation			
	7.5.1.2	Control of Production Process Changes	Work Instruction Form	Op	Manufacturing Router, Order Change Process Flowchart Customer Change Notice
	7.5.1.3	Control of Production Equipment, Tools and Numerical Control(N.C) Machine			
	7.5.1.4	Control of Work Transferred, on a Temporary Basis, outside the organization			
	7.5.1.5	Control of Service Operations			
	7.5.2	Validation of Processes for Production and Service Provision			
	7.5.3	Identification and Traceability	Procedure	QA	Shipping and Billing Flowchart, Shipping Procedure
7.5.4	Customer Property	Work Instruction	Op	Customer Supplied Product Flowchart	
7.5.5	Preservation of Product	Work Instruction	Op	Shipping Procedure, Shipping and Billing Flowchart	
7.6		Control of Monitoring and Measuring Devices	Procedure	QA	Gage Calibration Flowchart
	Work Instruction Form		QA	Calibration Work Instruction Calibration Records	
			QA		



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<b>8.0</b>		<b>MEASUREMENT, ANALYSIS AND IMPROVEMENT (TITLE ONLY)</b>			
8.1		General			
8.2		<b>Monitoring and Measurement (TITLE ONLY)</b>			
	8.2.1	Customer Satisfaction	Procedure	Exec	CustomerSurveyProcess, Management Review
	8.2.2	Internal Audit	Procedure Form	QA QA	Internal Audit Process Kreis Process Audit Diagram, Process Based Full System Audit Working Form Manufacturing Internal Audit Form, Rec. Insp. Internal Audit Form
	8.2.3	Monitoring and Measurement of Processes	Work Instruction	QA	Kreis Tool QC Instruction
	8.2.4	Monitoring and Measurement of Product	Procedure	QA	Inspection Process Flowchart
	8.2.4.1	Inspection Documentation	Form	QA	Inprocess Inspection Form, Inspection Request Log
	8.2.4.2	First Article Inspection	Work Instruction Form	QA QA	First Article Instruction AS 9102 Rev. A FAI Form (#1,#2,#3)
8.3		Control of Nonconforming Product	Procedure Work Instruction	QA QA	Non-Conforming Material Process Flowchart Rework Estimate and Approval Form
8.4		Analysis of Data	Procedure Flowchart Form	QA QA QA	Internal Audit Process Non-Conforming Material Process Flowchart Performance Measurement
8.5		<b>Improvement (TITLE ONLY)</b>			
	8.5.1	Continual Improvement	Procedure Form Form	QA QA QA	Corrective Preventive Action Procedure, Corrective Preventive Action Flowchart Performance Measurement Management Action Request Form
	8.5.2	Corrective Action	Procedure Flowchart Form	QA QA QA	Corrective Preventive Action Procedure Non-Conforming Material Process Flowchart Corrective Preventive Action Procedure(MAR Form), Supplier Corrective Action Request Form(SCAR)
	8.5.3	Preventive Action	Procedure	QA	Corrective Preventive Action Procedure(MAR Form)