

INVESTMENT CASTING INSTITUTE BIBLIOGRAPHY

SECTION 12
QUALITY CONTROL & DEFECTS

YEAR	INDEX #	SOURCE #	TITLE	PAGE AMOUNT
1982	12:15	32	Metallurgical Aspects of Quality Control in the Production of Premium Quality Aluminum Investment Castings for the Aerospace Industry Steve Kennerknecht	53
1983	12:16	35	Real Time X-Ray R. G. Taylor	3
	12:17	36	Microfocus on Filmless Radiographs Greg. McDaniel	2
1985	12:18	39	Quality Assessment: BS 5750 and the Significance of Quasar J. Roberts, BSI Quality Assurance Services	9
1986	12:19	40	An Update on NDT Techniques for Investment Casters Frank J. Vicki, Pratt & Whitney Aircraft	8
	12:20	40	Automated Film Handling Systems and Electronic Imaging for Radiography Joseph H. Huber, E.I. DuPont de Nemours & Co.	17
1989	12:21	45	SOMOST TM Solid Imaging System from DuPont Gwen Chen, E. I. Du Pont de Nemours & Co.	2
	12:22	45	Automating Radiography in the Investment Casting Industry William E. J. McKinney, Du Pont NDT Systems	4
1990	12:23	47	Statistical Process Control in the Investment Casting Industry Joseph P. Petska, Nalco Chemical Co.	12
	12:24	47	Multivariate Statistical MVSP Process Control Douglas Martin, G-E Aircraft Engines	41
	12:25	47	Total Quality Management (TQM) Dorsey J. Talley, The Carmen Group, Inc.	21
1993	12:26	53	The Use of Concurrent Engineering to Reduce Lead Times on Gas Turbine Castings S. J. Carson, European Gas Turbines Ltd., UK	15

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	12:27	53	The Role of Process Modelling in Simultaneous Engineering and the Developments Needed to Make it a Reality G. J. S. Higginbotham, Rolls-Royce plc, UK	4
	12:28	53	Application of SPC to Investment Casting Dr. B. Robson, AE Turbine Components Ltd., UK	8
	12:29	53	Implementing TQM in the Small to Medium Sized Company David Scrimshire and Keith Attwood, Midland Productivity Service Ltd.	6
	12:30	53	Cellular Manufacturing Provides a Foundation for Total Quality in a Precision Casting Business Barry Thornton, AE Turbine Components Ltd., UK	8
1994	12:31	55	Developments in Aerofoil Ceramic Core Measurement Techniques K. Howells, J.S. Pearson, Certech International Ltd., UK, and J.C. Doriath, SNECMA, France	19
	12:32	55	Reactions at the Mould/Metal Interface in Investment Castings Dr. T. S. Piwonka, University of Alabama	10
1995	12:33	57	How the Shell Affects Casting Dimensions Jerry D. Snow, Minco Inc.	20
	12:34	57	Making Sense of the Quality Initiative Bruce M. Kennedy, Kenneth S. Durham, Quantum Institute	7
	12:35	57	Failure Mode and Effects Analysis for Investment Castings Robert H. Frost, Colorado School of Mines	8
1997	12:36	59	Accuracy of Casting Manufactured by the Lost Wax Process M. Horacek, Technical University of Brno - Czech Republic	21
	12:38	60	Factors Influencing the Dimensional Variability of Investment Castings Aniruddha Karve, Karthik Padmanabhan and Robert C. Voight, The Pennsylvania State University	14
	12:39	60	Experiences with Six Sigma at Wyman-Gordon Investment Castings Huw Jones and Rob Ugianskis, Wyman-Gordon Investment Castings, Inc.	7

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1998	12:40	62	The Use of Multimedia in Casting Process Documentation Jon Claney, Industrial Images, Inc.	5
2000	12:41	65	Six Sigma Applied to the Investment Casting Process E. Markham, Doncasters Precision Castings, Deritend Ltd.	6
	12:42	66	Design of Experiment James D. Jackson, Consultant	15
	12:43	66	Process Modelling Research for Investment Casting J. C. Gebelin, M. R. Jolly, and S. Jones, University of Birmingham, UK	13
	12:44	66	Some Factors Affecting the Dimensions of Investment Castings in Production J. Dixon Chandley, Hitchiner Mfg. Co. Inc.	11
2001	12:45	68	Process Control in the Investment Foundry James D. Jackson and Nipendra P. Singh S&A Consulting Group, LLP	15
	12:46	68	One Step Beyond: From Simulation to Optimization David C. Schmidt, Finite Solutions Inc.	18
2005	12:48	72	Using Analytical SEM to Improve Casting Quality Zhu Zhang, Doncasters, Ltd.	13
2006	12:49	73	Reduction of Crack Propagation in Thin-Walled Investment Casting Shells during Solidification. Edward Druschitz, University of Missouri-Rolla	14
2007	12:50	74	White Light Dimensional Measurement System Koji Sassa, DIA Precision Casting Company, Ltd.	10
	12:51	74	White-Light Scanning For Inspection of Turbine Airfoils Bill Greene, Absolute Quality Inspection	3
2008	12:52	75	Looking at Grain Variation Through Process Simulation Sam Scott, ESI Group NA	11
	12:53	75	Single Crystal Orientation Measurement Criteria – A Way Ahead Kath Clay, Hexmat Materials	44

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2010	12:55	77	Migration to Digital Radiography in the Aerospace Casting Industry (Abstract) Thomas S. Jones, Alcoa Howmet	1