



## What students and training managers are saying about Okuma's NEW Institute for Manufacturing Productivity:

"It was a better class environment than the factory in 1993, when I attended an Okuma class, and a good variety of machines in the lab to work on!!" Harley-Davidson Electrical Maintenance Technician.

"Instructors are committed to helping students see problems before a breakdown." "Excellent at explaining things an individual didn't understand." "Instructors are very knowledgeable on the subject."

"Very good class, both classroom and hands-on." "A++ well done." "Helpful and concerned if we understood." "The books we received were filled with information we can put to use."

"Very knowledgeable, provided extra information on the Auto-tow tailstock."

**Comments on the most valuable part of the training are:** "Learning to use the diagnostics, parameters, software, schematic symbols, and MacMan." "Understanding the OSP Control." "Alignment techniques and troubleshooting." "Construction of machine, schematics, and alarm explanations." "Setting the hydrostatic ways." "Ball-screws." "Procedures changing encoders." "The hands-on in the shop area." "Use of the simulator to demonstrate topics covered." "The knowledge for me and my company" "All of it was valuable".

More details can be found on our web site, <http://IMP.OKUMA.COM>

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Okuma's new advanced technical training facility aligns training programs to give you bottom-line results. Okuma not only supplies the world's most productive metal-cutting machinery and systems, but also provides the training to develop the most valuable asset – your people.

Okuma's portfolio of training courses enables you to meet your strategic business objectives, improve performance, deliver quantifiable results, and accelerate change. The Institute for Manufacturing Productivity is a key component of **THE NEW OKUMA**. It is our job to help our customers succeed. We are your strategic partner that recognizes the need to develop employee skills as a competitive advantage. Training is no longer a cost, but an investment for increasing productivity – your bottom-line.

Okuma courses are specifically designed to teach service engineers, operators, technicians, engineers, supervisors, and managers the skills to:

1. Reduce cycle times,
2. Perform preventive maintenance activities required to keep the machine running in top condition,
3. Diagnose down-time events and generate solutions quickly to keep production throughput at maximum levels,
4. Perform repairs that can prevent expensive downtime,
5. Efficiently communicate problems and discuss solutions with your authorized Okuma distributor – minimizing downtime and service costs.

All Okuma Instructors at the Institute for Manufacturing Productivity have extensive manufacturing and field service experience on Okuma Machinery.



## Productivity Improvement Training Course Descriptions

### Mechanical Maintenance Training Classes:

MA-101 Mechanical Maintenance for CNC Lathes	\$1,000
MA-102 Spindle Rebuild for Lathes	\$1,000
MA-103 Mechanical Maintenance for LB 1000 Series Lathes	\$1,000
MA-121 Mechanical Maintenance MacTurn 250/350 Model	\$1,000
MA-122 Mechanical Maintenance MacTurn 250/350 Model UPPER Turret Only	\$1,000
MA-123 Mechanical Maintenance Alignments MacTurn 250/350 Model	\$1,000
MA-127 Mechanical Maintenance Multus Advance Training	\$1,000
MA-201 Mechanical Maintenance for Vertical Machining Centers	\$1,000
MA-202 Mechanical Maintenance for MB, MF, MU Vertical Machining Centers	\$1,000
MA-301 Mechanical Maintenance for Horizontal Machining Centers	\$1,000
MA-303 Mechanical Maintenance for MA - 100 Series Horizontal Machining Centers	\$1,000
MA-401 Mechanical Maintenance for Grinders	\$1,000
MK-101 Mechanical Maintenance Konan Lathe	\$1,000
MK-201 Mechanical Maintenance Konan Vertical Machining Center	\$1,000
MK-301 Mechanical Maintenance Konan V/H Machining Center	\$1,000

### Electrical Maintenance Training Classes:

EL-501 Electrical Maintenance for CNC Lathes and Machining Center with the OSP 5000/5020 Control	\$1,000
EL-701 Electrical Maintenance for CNC Lathes and Machining Center with the OSP 7000 Control	\$1,000
EL-801 Electrical Maintenance for CNC Lathes and Machining Center with the OSP 100U Control	\$1,000
EL-821 Electrical Maintenance for CNC Lathes and Machining Center with the OSP E100 Control	\$1,000
EL-901 Electrical Maintenance for CNC Lathes and Machining Center with the OSP THINC Control	\$1,000

### CNC Programming Training Classes:

CNC-501 Programming and Operation of Lathes	\$1,000
CNC-502 Fundamentals of Programming and Operation of 4 Axis Lathes; 3 day class	\$ 650
CNC-503 Fundamentals of Programming and Operation of Basic "M" Function; 2 day class	\$ 650
CNC-507 Basic One Touch IGF Lathe Programming; 3 day class	\$ 650
CNC-601 Programming and Operation of Vertical Machining Centers	\$1,000
CNC-602 Programming and Operation of Horizontal Machining Centers	\$1,000
CNC-603 Programming and Operation of IMAP for Machining Centers	\$1,000
CNC-701 Fundamentals of Programming and Operation of Grinders; 4 day class	\$1,000
CNC-801 MacTurn Operator Training; 4 day class	\$1,200
CNC-802 MacTurn Setup Technician Training; 4 day class	\$1,200
CNC-803 MacTurn Programmer Training; 4 day class	\$1,400
CNC-804 ADMAC Parts Turning V2.11; 4 day class	\$1,500
CNC-805 ADMAC Parts Turning V2.11; 3 day class	\$1,000
CNC-806 3D Virtual Monitor Collision Avoidance System; 2 day class	\$ 750

## Productivity Training Classes

### Customer's Schedule for December 2009 to June 2010

ELECTRICAL COURSE NUMBER	COURSE DATES	COMMENTS	MECHANICAL COURSE NUMBER	COURSE DATES	COMMENTS	PROGRAMMING COURSE NUMBER	COURSE DATES	COMMENTS
EL 501	Jun 7-11, 2010		MA 101	Jan 25-29, 2010		CNC 501	Jan 11-15, 2010	
EL 701	Dec 14-18, 2009		MA 101	Mar 15-19, 2010		CNC 501	Mar 15-19, 2010	
EL 701	Feb 8-12, 2010		MA 101	Apr 19-23, 2010		CNC 501	June 7-11, 2010	
EL 701	May 10-14, 2010		MA 101	Jun 14-18, 2010		CNC 502	Feb 22-24, 2010	
EL 801	Dec 7-11, 2009		MA 102	Dec 14-18, 2009		CNC 502	Mar 22-24, 2010	
EL 801	Feb 22-26, 2010		MA 102	Apr 5-9, 2010		CNC 502	June 14-16, 2010	
EL 801	Apr 12-16, 2010		MA 102	Jun 21-25, 2010		CNC 503	Feb 24-26, 2010	
EL 821	Mar 29-Apr 2, 2010		MA 103	Dec 7-11, 2009		CNC 503	Mar 24-26, 2010	
EL 901C	Jan 11-15, 2010		MA 103	Jan 11-15, 2010		CNC 503	May 24-26, 2010	
EL 901C	Mar 15-19, 2010		MA 103	Feb 22-26, 2010		CNC 503	June 16-18, 2010	
EL 901C	Apr 26-30, 2010		MA 103	Mar 29-Apr 2, 2010		CNC 507	Dec 7-9, 2009	
EL 901C	May 24-28, 2010		MA 103	Jun 7-11, 2010		CNC 507	Mar 1-3, 2010	
EL 821	Mar 29-Apr 2, 2010		MA 121	Feb 1-5, 2010		CNC 507	May 17-19, 2010	
			MA 121	May 3-7, 2010		CNC 601	Jan 25-29, 2010	
			MA 122	Feb 8-12, 2010		CNC 601	Apr 5-9, 2010	
			MA 122	May 10-14, 2010		CNC 601	June 21-25, 2010	
			MA 123	Feb 22-26, 2009		CNC 602	Feb 1-5, 2010	
			MA 123	May 17-21, 2010		CNC 602	Apr 26-30, 2010	
			MA 124	Jan 25-29, 2010		CNC 603	TBA	
			MA 124	Apr 19-23, 2010		CNC 701	Feb 15-19, 2010	
			MA 124	Jun 14-18, 2010		CNC 701	May 3-7, 2010	
			MA 127	Feb 1-5, 2010		CNC 801	TBA	
			MA 127	Apr 26-30, 2010		CNC 802	Jan 18-22, 2010	
			MA 127	Jun 21-25, 2010		CNC 803	TBA	

MA 201	Jan 11-15, 2010	MA 202	CNC 804	TBA	
MA 201	Mar 22-26, 2010	MA 202	CNC 805	TBA	
MA 201	Jun 7-11-2010	MA 202	CNC 806	Dec 14-15, 2009	
MA 301	Mar 1-5, 2010	MA 303	CNC 807	Dec 7-9, 2009	
MA 301	Apr 12-16, 2010	MA 303			

ADVANCED MANUFACTURING COURSE NUMBER	COURSE DATES	COMMENTS						
AM 501	<b>IN DEVELOPMENT</b>							

The Okuma Training Schedule is subject to change without notice.



**REGISTRATION FORM FOR OKUMA TRAINING COURSES**  
Please read the instructions prior to completing this registration form.

**COMPANY INFORMATION:**

Company Name:		
Street Address:		
City:	State:	Zip Code:
Web Address:		
Training Manager's Name:		Telephone:

**TRAINEE INFORMATION:**

(1) Last Name:		
(2) First Name:		(3) Middle Initial:
*(4) Social Security Number:		*(5) Race:
*(6) Sex (Male/Female):	*(7) Date of Birth:	
(8) Street Address:		
(9) City:	(10) State:	(11) Zip Code:
(12) Day Phone:		(13) Evening Phone:
(13a) e-mail:		

**COURSE INFORMATION:**

Please include course number and date, i.e. **EL-801-May 6-10, 2002**

(14) Electrical Courses:
(15) Mechanical Courses
(16) Programming Courses:
(17) Please enter the total number of courses selected:
(18) Multiply the number of courses selected by \$1,000 and enter the amount here: \$ _____

**MACHINERY INFORMATION:**

Please check all that apply:

**OSP Control Type:**

- 5000/5020
- 7000
- U10/100
- E100
- THINC (P100)

**Machine Model Type:**

- Lathe 2-axis
- Lathe 4-axis
- Vertical Machine Center
- Horizontal Machine Center
- Grinder



**PAYMENT INFORMATION:**

**(19) Method of Payment:**

Please select on to the following options:

- Check via U.S. Mail;  Credit Card via Phone;  
 Credit Card (Please complete Question 20);  Bill Company (Please complete Question 24);

**(20) Credit Card Information:**

- Visa  Master Card  Discover Card  American Express

<b>(21) Card Number:</b>	<b>(22) Expiration Date:</b>
<b>(23) Name on Card:</b>	

**(24) If your company is to be billed for courses you select, please furnish the following information:**

<b>(24a) Name of Company:</b>
<b>(24b) Company Address:</b>
<b>(24c) Purchase Order Number:</b>

**OR**

**Company Letter of Intent:** On company letterhead, state name, address and social security number(s) of the employee(s) registering for course(s), name of each course, a request to bill the company for tuition cost and an authorizing signature.

Please mail Purchase Orders to William W. Beaver, P.E. Institute for Manufacturing Productivity, York Technical College, 452 South Anderson Road, Rock Hill, South Carolina 29730

<b>Comments:</b>
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\* This information is required for EEOC reporting.

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