

Semiconductor and Medical technology Training Program 2008 – NYCe4000 Bosch Rexroth Electric Drives & Controls B.V. The Netherlands

Electric Drives and Controls. Training



Semiconductor and Medical technology – Contents

Semiconductor and Medical technology

	Page
NY1-SE NYCe4000 Introduction and Software Engineering	128
NY2-ME NYCe4000 Introduction and Motion Engineering	129
NY3-PE NYCe4000 Production Engineering	130
NY4-SU NYCe4000 Service and Support	131

NY1-SE

NYCe4000 Introduction and Software Engineering

Rexroth has extended its range of motion control systems with the NYCe4000 – a rugged, high-end, compact, multi-axis industrial motion control system with integrated drive technology. Everything necessary to control complex equipment is included in a single box that can significantly reduce space requirements, saves cabling and cuts system cost. It also extends uptime and greatly improves service ability.

The Rexroth NYCe4000 motion control system targets distributed applications where stepper axes up to 500 W and servo axes up to 4 kW are used.

It fills a need in the semiconductor equipment industry where speed and accuracy combined with low cost and fast time to market are essential.

Objective

Student should be able to program application software

Expected knowledge

Software engineering, C++, basics of motion control

Target audience

Software engineers

Teaching and learning aids

- Interactive presentations, combined with exercises on demonstration equipment
- Training documentation

Duration

3 days

- ½ day introduction NYCe4000
- 1 day use/programming of the C-API in applications
- ½ day use/programming of the Sequencer
- 1 day use/programming of the Pilot package

Dates in English

- 22.01. – 24.01.2008
- 22.04. – 24.04.2008
- 22.07. – 24.07.2008
- 21.10. – 23.10.2008

Certificate

Attendance certificate

Training location

Competence Center for
Semiconductor and Medical,
Eindhoven, the Netherlands

Information and registration

Bosch Rexroth
Electric Drives and Controls B.V.
Product Area Semiconductor
and Medical
Luchthavenweg 20
5657 EB Eindhoven
The Netherlands
Tel. +31 40 257 8888
Fax. +31 40 257 8800
contact-us@boschrexroth.nl
www.boschrexroth.com/pas

Price

1.350,- €

NY2-ME

NYCe4000 Introduction and Motion Engineering

Rexroth has extended its range of motion control systems with the NYCe4000 – a rugged, high-end, compact, multi-axis industrial motion control system with integrated drive technology. Everything necessary to control complex equipment is included in a single box that can significantly reduce space requirements, saves cabling and cuts system cost. It also extends uptime and greatly improves service ability.

The Rexroth NYCe4000 motion control system targets distributed applications where stepper axes up to 500 W and servo axes up to 4 kW are used.

It fills a need in the semiconductor equipment industry where speed and accuracy combined with low cost and fast time to market are essential.

Objective

Student should be able to configure and tune the system and should be able to build own control algorithms (UDC).

Expected knowledge

Software engineering, C++, basics of motion control

Target audience

Motion control engineers

Teaching and learning aids

- Interactive presentations, combined with exercises on demonstration equipment
- Training documentation

Duration

3 days

- ½ day introduction NYCe4000
- 1 day tuning (1) install, configure and tune motors in time domain
- ½ day tuning (2) tune a motor in frequency domain
- 1 day design and program a User Defined Controller

Dates in English

- 19.02. – 21.02.2008
- 20.05. – 22.05.2008
- 26.08. – 28.08.2008
- 18.11. – 20.11.2008

Certificate

Attendance certificate

Training location

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Price

1.350,- €

NY3-PE

NYCe4000 Production Engineering

Rexroth has extended its range of motion control systems with the NYCe4000 – a rugged, high-end, compact, multi-axis industrial motion control system with integrated drive technology. Everything necessary to control complex equipment is included in a single box that can significantly reduce space requirements, saves cabling and cuts system cost. It also extends uptime and greatly improves service ability.

The Rexroth NYCe4000 motion control system targets distributed applications where stepper axes up to 500 W and servo axes up to 4 kW are used.

It fills a need in the semiconductor equipment industry where speed and accuracy combined with low cost and fast time to market are essential.

Objective

Student should be able to integrate and configure NYCe4000

Expected knowledge

No specific requirements

Target audience

Production engineers, production managers

Teaching and learning aids

- Interactive presentations, combined with exercises on demonstration equipment
- Training documentation

Duration

1 day

- 1 day integration and configuration of NYCe4000

Dates in English

- 18.03.2008
- 24.06.2008
- 23.09.2008
- 16.12.2008

Certificate

Attendance certificate

Training location

Competence Center for
Semiconductor and Medical,
Eindhoven, the Netherlands

Information and registration

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Product Area Semiconductor
and Medical
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The Netherlands
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Fax. +31 40 257 8800
contact-us@boschrexroth.nl
www.boschrexroth.com/pas

Price

450,- €

NY4-SU

NYCe4000 Service and Support

Rexroth has extended its range of motion control systems with the NYCe4000 – a rugged, high-end, compact, multi-axis industrial motion control system with integrated drive technology. Everything necessary to control complex equipment is included in a single box that can significantly reduce space requirements, saves cabling and cuts system cost. It also extends uptime and greatly improves service ability.

The Rexroth NYCe4000 motion control system targets distributed applications where stepper axes up to 500 W and servo axes up to 4 kW are used.

It fills a need in the semiconductor equipment industry where speed and accuracy combined with low cost and fast time to market are essential.

Objective

Student should be able to service NYCe4000 in the field.

Expected knowledge

No specific requirements

Target audience

Service engineers, service managers

Teaching and learning aids

- Interactive presentations, combined with exercises on demonstration equipment
- Training documentation

Duration

1 day

- 1 day service and support of NYCe4000 hardware components and software

Dates in English

- 06.05.2008
- 04.11.2008

Certificate

Attendance certificate

Training location

Competence Center for
Semiconductor and Medical,
Eindhoven, the Netherlands

Information and registration

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Price

450,- €

Notes