

BROCHURE TRAINING


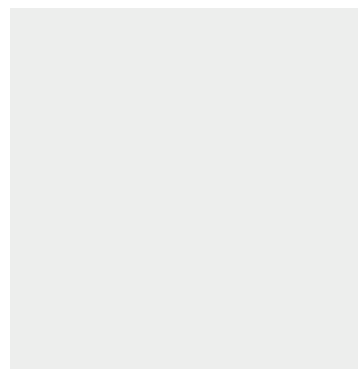
PARKER Equipment
Theory and practice
automation
systems

Who are we?

Since 1989, **DYNAMELEC** has been manufacturing industrial automation equipment and variable-speed drives. Our years of experience have enabled us to acquire real know-how and numerous references in the field of rotating machines and continuous processes.

DYNAMELEC is composed of a team of engineers and technicians who offer customers high-performance, innovative products and services.

DYNAMELEC studies, designs, manufactures and installs its equipment both nationally and internationally.



DYNAMELEC adapts to its customers' needs to meet the technical performance, deadlines and services required in a highly constrained industrial environment.

DYNAMELEC has been an official PARKER integrator partner since 2018. As such, we provide training for products in the PARKER electromechanical range.

DYNAMELEC also provides process training for its customers on the systems installed by the company.



DYNAMELEC

ZI les Landiers Nord
550 rue des Marais
73 000 Chambéry - FRANCE



Phone: +33 (0)4 79 26 26 60

Certification number : 82 73 01422 73

Our Training team

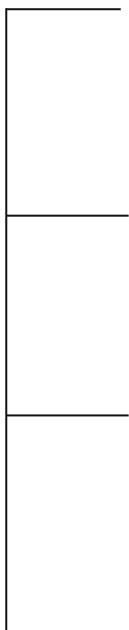


Christine NUNES

Training Manager

executive assistant, 30 years of experience

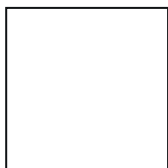
TRAINERS



Bertrand ALLÉE

Trainer

Applications engineer, 30 years of experience



Maxime LECONTE

Trainer

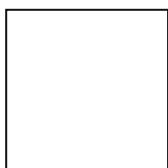
Automatician, 10 years of experience



Benoit LEFRANC

Trainer

Automation engineer, 20 years of experience



Eric ROYER

Trainer

30 years of experience



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Summary

F_AC30_DYNA_N1

AC30 drives (level 1) for induction & brushless motors
Parameter setting, diagnostics and application
commissioning (2-day training course)

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F_AC30_DYNA_N2

AC30 drive (level 2) for induction & brushless motors
Parameter setting, diagnostics and application
commissioning (2 days training)

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F_890_DYNA

890 inverter for induction & brushless motors
Parameter setting, diagnostics and application
commissioning (2-day training course)

7

F_590P_DYNA

590P inverter for DC motors
Parameter setting, diagnostics and application
commissioning (2 days training)

8

F_Enr_Dér_DYNA

Rewinder/unwinder application
Principle and programming for 590P and 690P
(1 day training)

9

F_C3_pos_DYNA

COMPAX 3 drive for brushless servomotors
Parameterization, diagnostics and fieldbus
(2-day training course)

10

F_C3_CoDeSys_DYNA

COMPAX 3 drive for brushless servomotors
IEC61131-3 programming
(2-day training course)

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F_process_DYNA

Process training Customized training on
machine processes
(1-day training)

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Our training facilities in Chambéry

We look forward to welcoming you to our premises in Chambéry, at 550 rue des Marais, ZI des Landiers Nord, to continue your training.



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AC30 drives for induction and brushless motors

Level 1



Target audience

- Design and maintenance engineers and technicians
- Automation technicians
- Special machine designer and builder
- Production and maintenance personnel
- Production line managers

Prerequisites

- Notions of electrical engineering and automation
- Notions of speed control
- Notions of operation of an asynchronous motor
- User of Windows environment
- Personnel empowered (minimum B1V)

Program

Day 1

- AC30 series overview
- Installation and connection
- Drive operating principle
- Menu tree
- Basic settings
- Introduction to the programming tool (PDQ)

Day 2

- First level maintenance procedure
- Situational exercise with test bench (drive + motor)
- Diagnostics (dynamic display, fault list and curves)
- Situational exercises
- Assessment

Training objective

- Know the drive's characteristics in order to install and replace it.
- Perform basic parameter setting and diagnostics.

Duration

2 days

Training location

- Training on our premises
- On-site training possible for groups of 2 or more.



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AC30 drives for induction and brushless motors

Level 2

Target audience

- Design and maintenance engineers and technicians
- Automation specialists.
- Special machine designer and builder
- Production and maintenance personnel
- Production line managers

Prerequisites

- Notions of electrical engineering and automation
- Notions of speed and position control
- Notions of writing structured programs
- Windows environment user
- Completion of F_AC30_DYNA_N1 training course
- Authorized personnel (minimum B1V)

Program

Day 1

- Reminder of the programming tool (PDQ)
- Presentation of the PDDI toolInstallation of software and libraries
- Introduction to advanced function blocks
- Presentation of communication blocks

Day 2

- Real-life situation with test bench (drive + motor)
- Programming exercises
- Application loading
- Analysis of dynamic programs
- Review

Training objective

- Know the characteristics of the drive so as to be able to install and replace it. Master the PARKER programming tool.
- Be able to set parameters, diagnose and implement applications.

Duration

2 days

Training location

- Training on our premises
- On-site training possible for groups of 2 or more.



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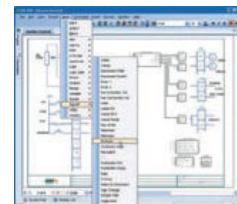
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890 inverter for induction and brushless motors



Target audience

- Design and manufacturing engineers and technicians, automation engineers
- Designer and builder of special machines
- Production and maintenance personnel
- Manager of production lines

Prerequisites

- Notions of electrical engineering and automation
- Notions of speed and position control
- Notions of writing structured programs
- Use of Windows environment

Program

Day 1

- Overview
- Operating principle
- Installation and connection
- Menu tree
- Basic settings

Day 2

- Diagnostics
- Presentation of the programming tool
- DSE Functional block review
- Realization of some applications
- Review

Training objective

- Know the drive's characteristics in order to install it.
- master the DSE and DSE Lite programming tools
- Be able to configure, diagnose and implement applications.

Duration

2 days

Training location

- Training on our premises
- On-site training possible for groups of 2 or more.



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DC drive for DC motors



Target audience

- Design and manufacturing engineers and technicians, automation engineers
- Special machine designer and builder
- Production and maintenance personnel
- Production line managers

Prerequisites

- Notions of electronics and automation
- Notions of speed and position control
- Notions of writing structured programs
- Use of Windows environment

Program

Day 1

- Overview
- Operating principle
- Installation and connection
- Menu tree
- Basic settings

Day 2

- Diagnostics
- Introduction to the DSE Lite programming tool
- Function block review
- Realization of some applications
- Review

Training objective

- Know the characteristics of the drive in order to ensure its installation
- Master the DSE Lite programming tool
- Be able to set parameters, diagnose and implement applications

Duration

2 days

Training location

- Training on our premises
- On-site training possible for groups of 2 or more..



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Rewinder/unwinder application



Target audience

- Design and manufacturing engineers and technicians, automation engineers
- Special machine designer and builder
- Production and maintenance personnel
- Production line managers
-

Prerequisites

- Notions of electrical engineering and automation
- Notions of speed and position control
- Notions of writing structured programs
- Knowledge of 590P, 690P or 890 equipment programming and DSE Lite (or CeLite) software use.

Program

- Overview of different winder/unwinder types
- Comparison of different systems
- Speed control strategies for winders/unwinders
- Control strategies for taut rewinders/unwinders
- Presentation of winder/unwinder function blocks in AC30, 690P/590P/890 drives.
- Presentation of some applications
- Overview

Training objective

- Know the different types of winders/unwinders and the associated strategies and settings for Type 590P, AC30, 690P and 890 drives.

Duration

1 day

Training location

- Training on our premises
- On-site training possible for groups of 2 or more..



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COMPAX3 servo controller positioner version (T10/T11)

Target audience

- Design and manufacturing engineers and technicians, automation engineers.
- Special machine designer and builder
- Production and maintenance personnel
- Production line managers

Prerequisites

- Notions of electrical engineering and automation
- Notions of speed and position control
- Use of Windows environment

Program

Day 1

- General overview
- I10T10 configuration
- Realization of some applications

Day 2

- IxxT11 configuration
- Realization of some applications
- Block positioning and fieldbus implementation
- Summary

Training objective

- Integrate a Compax3 digital positioner drive into an automation system
- Draw up wiring diagrams
- Commission and parameterize the system
- Optimize performance using software tools
- Diagnose faults

Duration

2 days

Training location

- Training on our premises
- On-site training possible for groups of 2 or more..



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Servo drive COMPAX 3 Version IEC61131-3 (CoDeSys)



Target audience

- Design and manufacturing engineers and technicians, automation engineers
- Special machine designer and builder
- Production and maintenance personnel

Program

Day 1

- General presentation
- CoDeSys software

Prerequisites

- Basic knowledge of PLC languages (IEC61131-3 type)
- Basic knowledge of automation and programming
- Use of Windows environment
- Basic knowledge of Compax3 and C3 ServoManager2 software

Day 2

- CoDeSys practical work
- Realization of some applications
- Review

Training objective

- Create an application based on a Compax3 T30 digital positioner drive.
- Write and implement the user program using the various CoDeSys software tools

Duration

2 days

Training location

- Training on our premises
- On-site training possible for groups of 2 or more..



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Customized training on machine processes

Target audience

- Design and maintenance engineers and technicians
- Machine operators, supervisors, foremen
- Special machine designer and builder
- Production and maintenance personnel
- Production line managers

Program

- General presentation of the industrial tool
- Presentation of the environment
- Presentation of machine control tools
- Presentation of control and diagnostic tools
- Detailed presentation of the industrial process concerned

Prerequisites

- Notion of machine and process environment



Training objective

- Connaître les détails du process machine et de la conduite opérateur associé
- Etre capable d'assurer le paramétrage process et les diagnostics.

Duration

to be defined
on request

Training location

- On-site training possible for groups of 2 or more..



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Registration procedure

General

Training courses can be held on our premises in Chambéry or on the customer's site.

Training includes :

- Course material and technical documentation in hard copy and on computer (USB key).

At the customer's expense for on-site training:

- A room adapted to the number of participants
- A suitable overhead projector or LCD screen
- Flipchart

A test bench equipped as required for the training course.

Special conditions

The customer must inform us if any of the designated participants require special adaptations to accommodate their disabilities. In this case, a discussion with the HR department will be necessary to assess the need. If people with reduced mobility are registered, the training will take place on the customer's site.

Prices

Prices are quoted according to the type of request. Prices vary according to whether the training is given on our premises or on site.

Registration deadline

You will find the Registration Form in appendix 1 and the General Conditions in appendix 2.

Cancellation

See general sales conditions.

Copyright

Copying of the course, documentation and use or disclosure to third parties is not permitted, unless explicitly authorized by DYNAMELEC.

Annulation

DYNAMELEC reserves the right to cancel a training session, even after confirmation, if the minimum number of participants is not reached, or for other reasons internal to the company.

In the event of a trainee's absence, we will propose a new date or reclassification to another session as a matter of priority.



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Safety rules

Before each course, each participant is given a set of rules and regulations, and agrees to abide by them. DYNAMELEC cannot be held responsible for any damage resulting from failure to comply with these rules.

Opening hours

Training hours at our premises are from 8.30 a.m. to 5 p.m.

On-site training hours will be set according to your specific requirements.



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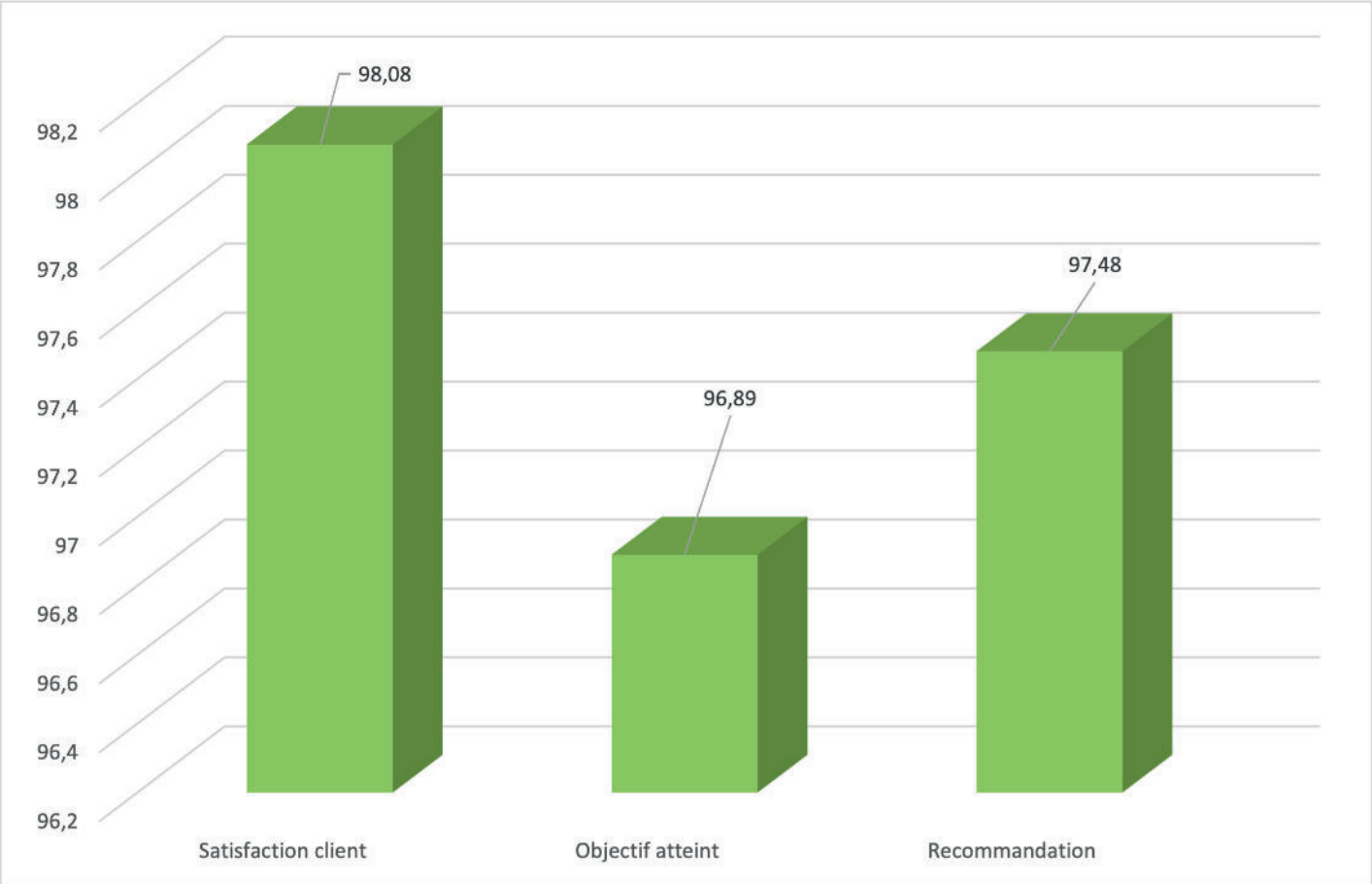
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Satisfaction survey results



Annex 1 - Registration form

Contact details for the training organization :

DYNAMELEC
Christine NUNES
ZI Les Landiers Nord
550 rue Marais
73 000 CHAMBERY

Phone :
04 79 26 26 60
Fax :
04 79 26 26 61

E-mail
c.nunes@dynamelec.fr

Please return the form by e-mail to the above address:

Information :

Company: _____

Contact : _____

Address : _____

Postal code, city : _____

Phone : _____ Fax : _____

E-mail : _____

Number of participants :

Training location : ☐ Chambéry ☐ On site

Training title : _____

Participant : Last name, First name

Function

Are any of the participants disabled ? ☐ Yes ☐ No
(If so, our department will contact your HR department to determine the best arrangements to implement)

Billing :

Invoices will be made out to :

- ☐ In the name of your company
☐ In the name of the following organization (name + address)

Date :

Signature :



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Annexe 2 – General Sales Conditions for Training Services

1. Conditions of registration :

Registrations are accepted only on receipt of the training order.

The customer undertakes to be present at the scheduled dates, places and times.

After confirmation of registration, a training agreement is drawn up in duplicate, one copy signed by the customer and returned to us. One copy is signed by the customer and returned to us.

You must specify on your order whether the invoice is to be issued in your company's name or in the name of the organization paying for your training (in which case, please specify the exact contact details and your membership number for this organization).

DYNAMELEC is registered under number 82 73 01422 73, and this training can be charged to your continuing education budget. A certificate of attendance will also be provided after each session.

2. Price conditions :

Prices are net, excluding taxes.

Customer travel, accommodation and subsistence costs are not included in the training price.

For training courses held in Chambéry, lunchtime catering costs are included and cannot be deducted from the sales price.

Teaching aids are also included in the price of the service and cannot be deducted from the sale price.

3. Training location :

Training can take place on our premises in Chambéry or on the customer's site.

The address of our premises is as follows:

DYNAMELEC

550, rue des Marais

ZI les Landiers Nord

73 000 CHAMBERY

4. Safety instructions and house rules :

In the event of late cancellation, less than 15 days before the start of the course, DYNAMELEC reserves the right to charge a cancellation fee of up to the full price of the course.

In the event of withdrawal during the course, the full price of the session will be invoiced automatically.

DYNAMELEC reserves the right to cancel a training course if the number of participants is insufficient. Cancellation must be notified in writing at least one week before the course date.

Consequently, training dates may be modified according to the number of participants.

5. Terms of payment:

Invoicing will be issued on the last day of the training course, with payment by bank transfer within 30 days of the end of the month.

6. Safety instructions and house rules :

The customer is required to comply with the safety instructions and internal regulations on DYNAMELEC's premises, of which he/she will have been informed at the beginning of the course. DYNAMELEC reserves the right to exclude, at any time, any participant whose behaviour interferes with the smooth running of the course and/or seriously breaches the internal regulations.



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7. Responsibility :

DYNAMELEC ne pourra être tenu responsable de tout dommage résultant de l'utilisation par le Client des informations et données transmises lors de la formation.

Les outillages, matériels et autres supports mis à disposition par DYNAMELEC tels qu'échantillons, dessins, plans, normes, modèles, documents, pièces détachées sont et restent la propriété de DYNAMELEC, réservés à son seul usage et restituables à tout moment. Le Client devra prendre toutes les précautions, notamment d'utilisation, d'entretien et de stockage, pour les conserver en parfait état et contractera une assurance adéquate contre tous risques et pertes, y compris la perte d'exploitation de DYNAMELEC suite à leur indisponibilité.

8. Intellectual property and copyright

Les supports papiers et numériques remis lors de la formation, ainsi que tous produits, matériels ou pièces détachées, sont la propriété de DYNAMELEC et ne peuvent être reproduits partiellement ou totalement sans l'accord préalable exprès de DYNAMELEC. L'ensemble des textes, commentaires, ouvrages, dessins, plans, illustrations et images reproduits sur les supports papier ou numériques sont protégés par le droit d'auteur. Toute autre utilisation que celle prévue aux fins de la formation est soumise à autorisation préalable de DYNAMELEC sous peine de poursuites judiciaires.

9. Privacy

Le Client s'engage, pendant la durée de la formation et pendant les douze (12) mois suivant son expiration ou sa résiliation, à traiter comme confidentielles les informations qui lui ont été communiquées comme telles et tous les documents commerciaux et techniques libellés comme tels. Le Client s'interdit de communiquer ces informations et/ou transmettre de quelque façon que ce soit à des tiers, sauf autorisation écrite préalable de DYNAMELEC.

10. Subcontracting

DYNAMELEC is authorized to subcontract the performance of training services.

11. Personal data

With regard to personal information concerning the Customer, the Customer has the following rights

- The right to object, free of charge, to the use of this information by DYNAMELEC for marketing purposes.
- When the Customer exercises this right.
- DYNAMELEC will take the necessary measures to ensure that the Customer is no longer a recipient of prospecting operations.
- A right of access, as well as a right of rectification in the event that this information proves to be inaccurate, incomplete and/or out-of-date.
-

12. Dispute resolution

These terms and conditions are governed by French substantive law.

Any dispute arising out of or in connection with the performance of these GCS shall be subject to the jurisdiction of the Court of Chambéry.



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