



Opens the future

SOLUTIONS FOR CAR PARK MANAGEMENT

FUNCTIONALITY, MODULARITY AND PROFESSIONALITY

Entrance and Exit Stations

Barrier

Automatic cash machine

Attended pay desk



EVERY DAY, FOR MORE THAN 25 YEARS,
WE AT BFT HAVE BEEN MAKING LIFE
FOR MILLIONS OF PEOPLE MORE COMFORTABLE AND MORE SECURE
IN MORE THAN ONE HUNDRED COUNTRIES WORLDWIDE.



BFT. SMART AUTOMATION FOR MODERN LIVING

The quality of living grows every day thanks to innovative products which meet the increasing demands for simplicity, convenience and security. BFT interprets these needs intelligently, studying and

building a wide range of technologically advanced and flexible products, capable of meeting any automation need in homes and buildings: gates, garages, shutters and doors.

ENTRANCE AND EXIT STATIONS

BFT CAR PARK MANAGEMENT SYSTEM

2



EASY PARK ET

P970035 00001

The EASY PARK ET posts control the entrance point completely, autonomously and safely thanks to the integrated management of magnetic loops and barrier.

The posts are provided with:

- side opening which allows convenient inspection without obstructing the lane, and optional wall mounting;
- body in sheet steel with protective cathoresis treatment and polyester paint.

The posts are also supplied with:

- front panel having a piezoelectric ticket delivery button, positioned 110 cm from the ground for comfortable operation, and a corresponding ticket collection slot;
- ticket issuing unit fed by a continuous form, with a capacity of about 6,000 tickets (80 g/sqm);
- high-resolution thermographic printer used to codify the date, time in hours and minutes, issuing unit and progressive number on the ticket; optional ticket customisation including the manager's logo and any information or advertisement;

- electronic management board with double-channel vehicle detector;
- optical sensor indicating that ticket paper is about to run out.

Power supply voltage 230V/ 50Hz.
Maximum absorbed power 100 Watts.



EASY PARK ET PLUS

P970039 00001

The PLUS version of the post, besides the features listed above, includes an **integrated intercom point** with a call button for the attended pay desk, a **proximity card reader** for season-ticket holders, a **display** for useful information (for example: residues of scale-down season tickets or other messages) and a **voice synthesiser** for help messages.



EASY PARK COIN

P970035 00002

The EASY PARK COIN posts control the exit point completely, autonomously and safely thanks to the integrated management of magnetic loops and barrier.

The posts are provided with:

- side opening which allows convenient inspection without obstructing the lane, and optional wall mounting;
- body in sheet steel with protective cataphoresis treatment and polyester paint.

The posts are also supplied with:

- front panel having a validation device for dimensional and magnetic check of the means of payment, consisting of one BFT customised coin, positioned 110 cm from the ground for comfortable operation;
- electronic management board with a double-channel vehicle detector.

Power supply voltage 230V/ 50Hz.

Maximum absorbed power 100 Watts.



EASY PARK COIN PLUS

P970039 00002

The PLUS version of the post, besides the features listed above, includes an **integrated intercom point** with a call button for the attended pay desk, a **proximity card reader** for season-ticket holders, a **display** for useful information (for example: residues of scale-down season tickets or other messages) and a **voice synthesiser** for help messages.



EASY PARK SCANNER

P970035 00003

The EASY PARK SCANNER post controls the exit point completely, autonomously and safely thanks to the integrated management of magnetic loops and barrier.

The post is provided with:

- side opening which allows convenient inspection without obstructing the lane, and optional wall mounting;
- body in sheet steel with protective cataphoresis treatment and polyester paint.

The post is also supplied with:

- front panel having a multidirectional scanner for reading the ticket collected at the entrance, positioned 110 cm. from the ground for comfortable operation; the means of payment is validated without contact, simply by displaying it at a distance with no particular orientation;
- integrated intercom point;
- proximity reader for season tickets;
- graphic display for information;
- voice synthesiser for help messages.

Power supply voltage 230V/ 50Hz.

Maximum absorbed power 100 Watts.

ENTRANCE AND EXIT STATIONS

BFT CAR PARK MANAGEMENT SYSTEM

4



EASY PARK ATTENDED PAY DESK

R950006

A station which allows all the parking system hardware and software parameters to be configured. Moreover EASY PARK ATTENDED PAY DESK enables all payment operations, as well as the issue or renewal of season tickets on transponder cards which are scaled-down according to time, money or points.

The system can also display the alarms coming from peripheral stations and a summary of daily and periodical operations.

The system is made up of:

- latest-generation personal computer with a keyboard and a screen;
- laser barcode reading unit;
- printer for payment receipts;
- courtesy display which shows the user the amount to be paid.

Moreover, the following can be requested:

- management of several cashiers;
- report with statistical graphs;
- remote-control assistance (optional).

The station can have an intercom switchboard connected to the entrance/exit stations to assist the users and open the barriers.



EASY PARK AUTOMATIC CASH MACHINE

P970040 00001

EASY PARK AUTOMATIC CASH MACHINE allows full automation of the payment operations for occasional parking tickets. It coordinates the operation of peripheral stations to which it is connected by means of the data network.

The fee calculation procedure is simply started by displaying the ticket at a distance with no particular orientation, and is guided and supported by recorded messages in the language chosen out of the 5 available.

The payment can be made using coins and/or banknotes, the cash machine will give any change owed and the payment receipt.

The cash machine consists of a painted steel cabinet with safety locks.

The front panel features:

- ticket reading optical scanner;
- ¼ VGA graphic colour screen;
- acceptance slot for coins in 4 denominations;
- acceptance slot for banknotes (5 denominations read on 4 sides);

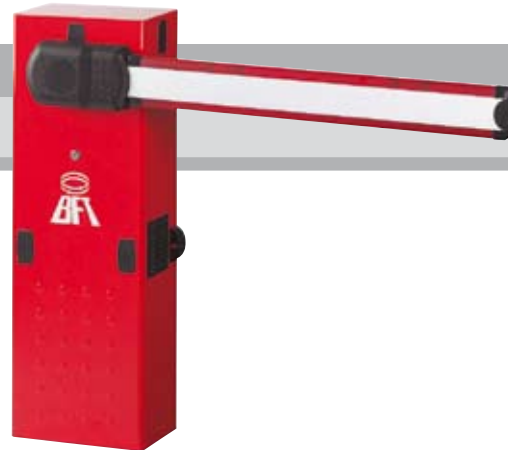
- payment receipt slot;
- small change compartment.

Power supply voltage 230V/ 50Hz.

Maximum absorbed power 500 Watts.

AUTOMATIC CASH MACHINE AND BARRIER

BFT CAR PARK MANAGEMENT SYSTEM



UNO MULTIFUNCTION STATION

P970037

An original appliance for full and integrated management of two access points positioned side by side.

The coin issuing, coin collecting, and payment functions are integrated.

It manages two typical categories of users - occasional users and season-ticket holders.

The originality of this appliance also derives from the fact that coins can be re-used, therefore eliminating the need for recharging.

It keeps count of the spaces taken in the car park and controls a count-related traffic-light system.

It automatically calculates the parking cost based on the preset rate table and also differentiated according to holidays, time bands and categories.

It minimises the need for wiring, making it actually possible for seasonal installations to be disassembled and stored.

- Receipt printer
- Payment and change given in coins
- Money computation
- Event history file
- Voice synthesiser

BARRIER

P940030 00002

Electromechanical barrier suitable for car parks. Boom length up to 3m. Provided with quick key-operated release.

Electronic motor control.

High-speed version: 1.5 seconds (plus slow-down function over the last 10 degrees).

Encoder for immediate detection of any change in boom movement caused by an obstacle. Reduction in squashing force related to time.

MAGNETIC LOOP

D110945

- Pre-wired
- Measuring 75 x 170
- 3-metre terminal

AUXILIARY PRODUCTS

BFT CAR PARK MANAGEMENT SYSTEM



P111393 - INTERCOM SWITCHBOARD

Hands-free intercom switchboard for 10 external stations, provided with a central console.

- Half-duplex functionality
- Sturdy functional console
- Excellent acoustic performance



P111395 - INDICATION PANEL

Sign indicating the parking status as "free/full" with one-sided traffic lights.

Approximate dimensions: 900x1200x370mm (L x H x D)



P111394 - READER FOR SEASON TICKETS

RF reader for season-ticket proximity cards. Centralised by means of the RS485 device. 12V dc low-voltage power supply. Low-power contact for barrier opening control.

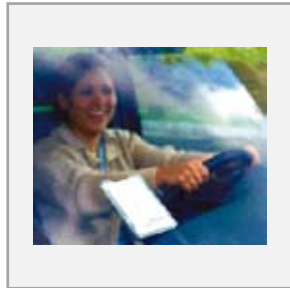


P800014 - TELEPARK LONG-RANGE READER

Reader activated to control vehicle access with remote reading.

The system comprises a flat transmitter/receiver antenna and a local microprocessor unit used to process and store the data and information and to manage network connection.

- range adjustable up to 6 metres
- direct connection to EASY PARK



P800017 - VEHICLE TAG

Vehicle tag activated for Telepark reader. Provided with a support for windscreen fitting.



D113708 - PARKING CAPACITY KIT

Electronic board for counting the vehicles in the car park. It can manage up to 10 logic inputs from a clean contact and control up to 4 traffic-lights or indication panels.



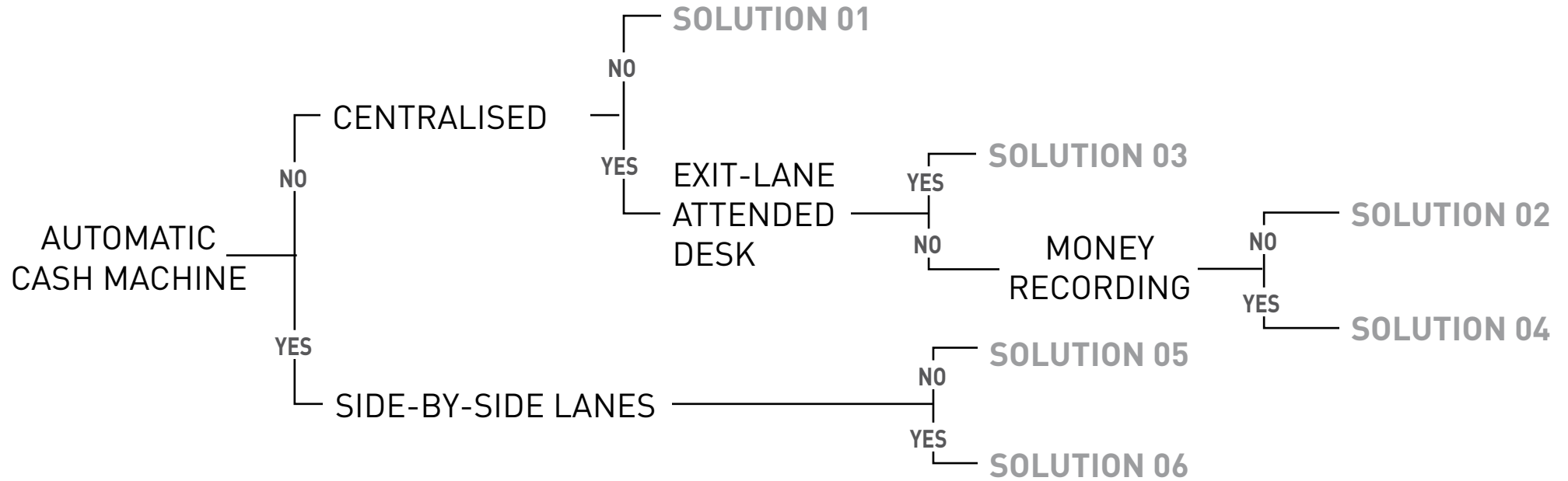
P800022 - ALARM DISPLAY KIT

The alarm display SW Kit includes a CD to be installed on a PC (not supplied) for the display of alarms (paper run out, barrier open etc.) and the management of season-ticket holders by means of transponder cards.

This software has been conceived for simple parking systems which use EASY PARK COIN as the exit post, and cater for season-ticket holders as well as occasional users. The alarm centralisation function optimises the manager's work.

VERSIONS

- 01 STAND-ALONE SYSTEM WITH DECENTRALISED ATTENDED PAY DESK PAGE 8
- 02 CENTRALISED SYSTEM WITH DECENTRALISED ATTENDED PAY DESK PAGE 10
- 03 CENTRALISED SYSTEM WITH EXIT-LANE ATTENDED PAY DESK PAGE 12
- 04 CENTRALISED SYSTEM WITH DECENTRALISED ATTENDED PAY DESK PAGE 14
- 05 CENTRALISED SYSTEM AND AUTOMATIC CASH MACHINE PAGE 16
- 06 UNO MULTIFUNCTION STAND-ALONE SYSTEM PAGE 18



TYPE

Ideal for shopping centres and supermarkets.

OPERATION**Entrance:**

→ on arriving, the user checks the traffic-light sign (if present) to find out if there is any parking space available; then presses the entrance post button at the barrier, collects the ticket and enters the car park.

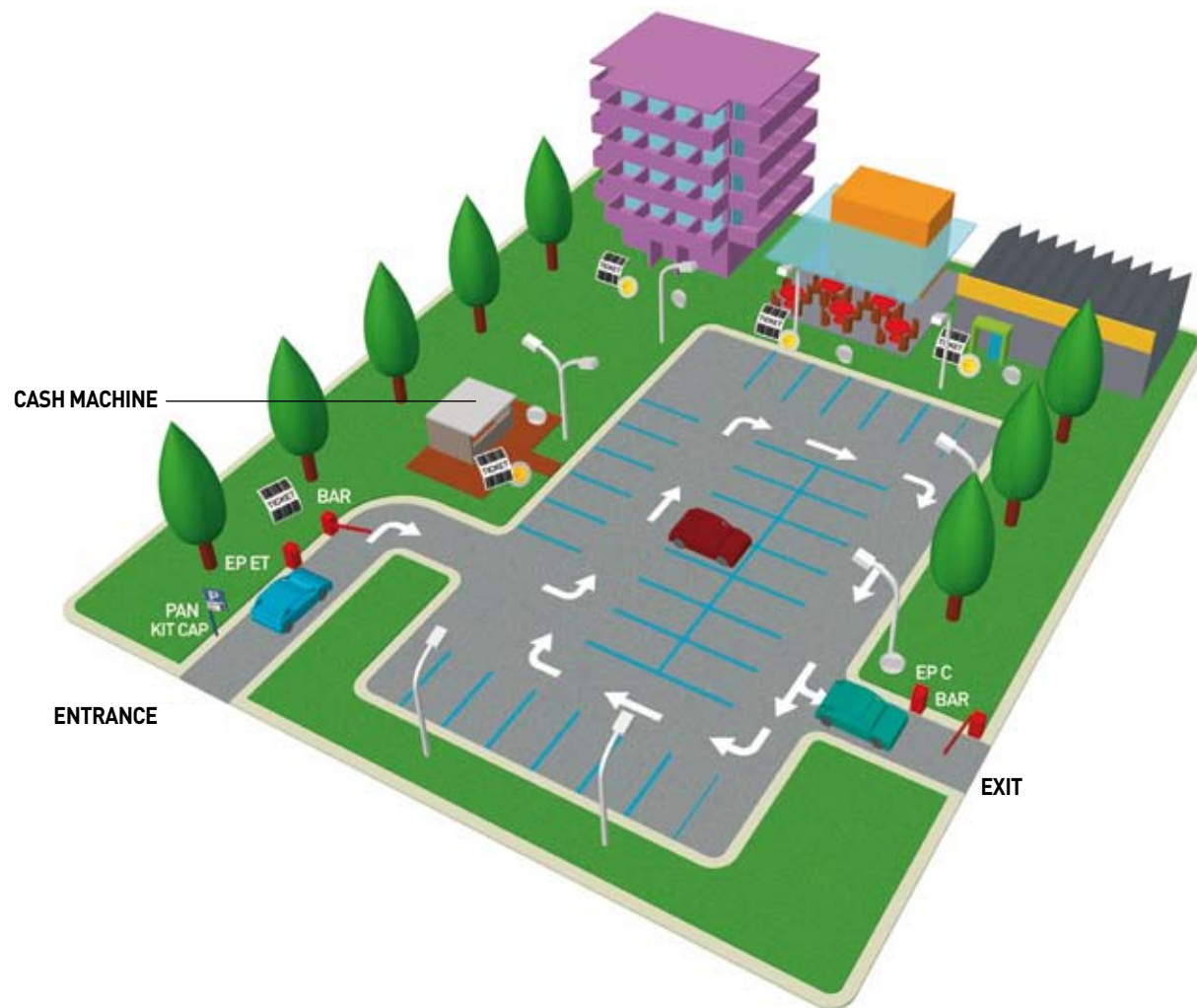
Payment:

→ a shopping centre customer receives a coin from the cashier, which can be used at the exit. Any other user settles the payment at a dedicated desk, and receives a coin for the exit.

Exit:

→ The user inserts the coin in the Easy Park Coin post and leaves.

CODE	COMPONENT	QUANTITY
MINIMUM CONFIGURATION		
P970035 00001	EASY PARK ET Entrance Station (detector included)	1
P970035 00002	EASY PARK COIN Exit Station (detector included)	1
D110945	3m terminal magnetic loop	4
P940030 00002	Barrier	2
N728020	3m one-piece boom	2
D730251	Anchoring base	2
P120003 00001	Rubber contour for boom	2
OPTIONS		
D113708	Parking Capacity Kit	1
P111395	Indication Panel	1
Other barrier accessories are available on request		



LAYOUT

The system requires no data network.
 Very simple installation.
 Only 220V ac power supply indispensable.

LEGEND

EP ET EASY PARK ET Entrance Station (detector included)
EP C EASY PARK COIN Exit Station (detector included)
BAR Barrier
PAN Indication Panel
KIT-CAP Parking Capacity Kit

TYPE

Suitable for small areas, where only one access point is available both for entrance and exit, attended by the manager who takes the payment.

OPERATION**Entrance:**

- on arriving, the occasional user checks the traffic-light sign (if present) to find out if there is any parking space available; then presses the entrance post button, collects the ticket and enters the car park;
- the season-ticket user checks the traffic-light sign (if present) to find out if there is any parking space available and enters by holding the transponder card close to the proximity reader.

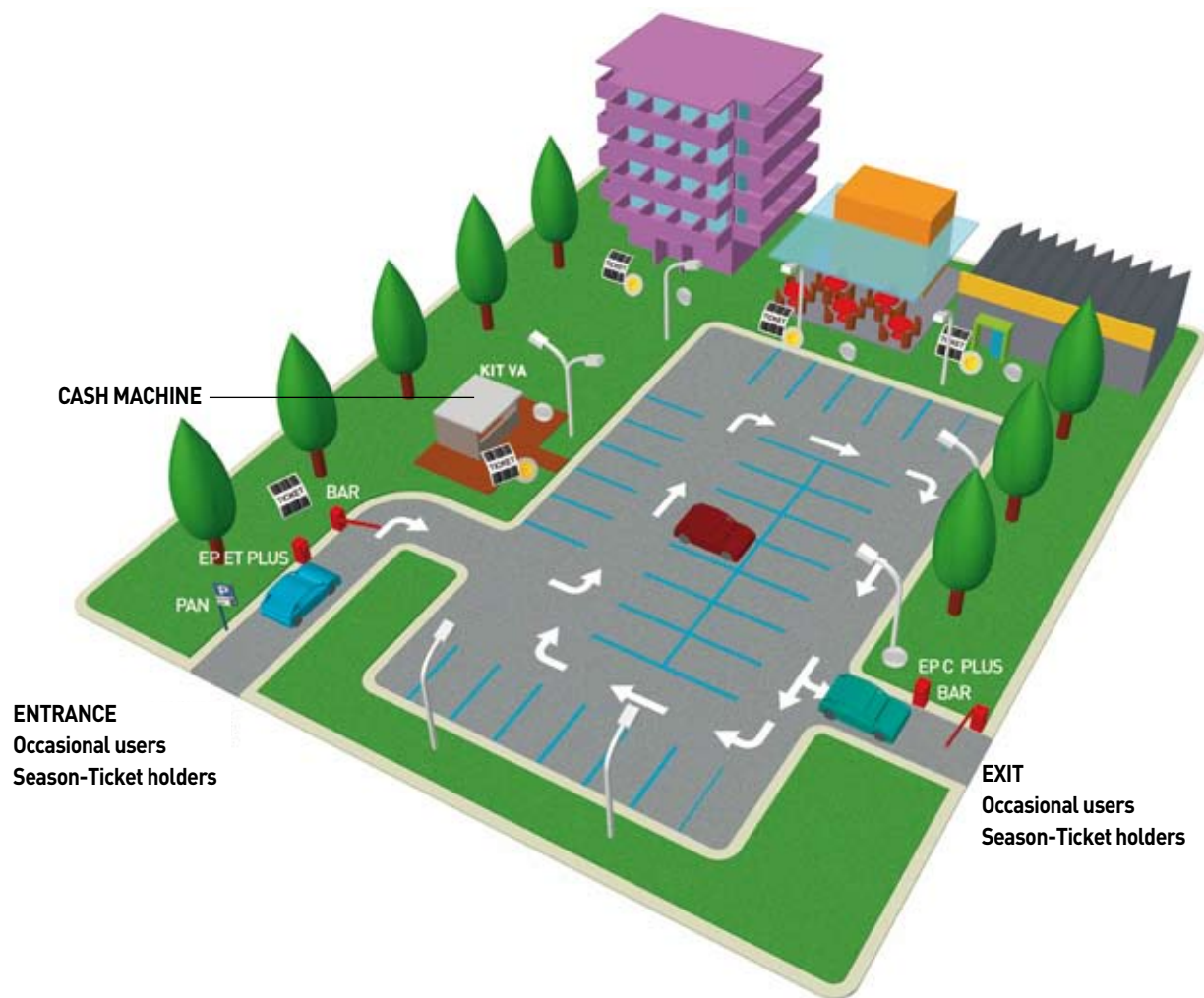
Payment:

- the user hands in the ticket at the pay desk, the operator calculates the cost manually and exchanges the ticket with a coin.

Exit:

- the occasional user inserts the coin in the exit post and leaves;
- the season-ticket user leaves by holding the transponder card close to the proximity reader.

CODE	COMPONENT	QUANTITY
MINIMUM CONFIGURATION		
P970039 00001	EASY PARK ET PLUS Entrance Station (detector included)	1
P970039 00002	EASY PARK COIN PLUS Exit Station (detector included)	1
P800022	Alarm display kit	1
D110945	3m terminal magnetic loop	4
P940030 00002	Barrier	2
N728020	3m one-piece boom	2
D730251	Anchoring base	2
P120003 00001	Rubber contour for boom	2
OPTIONS		
P111395	Indication Panel	1
Other barrier accessories are available on request		



LAYOUT

Only 220V ac power supply indispensable.

LEGEND

EP ET PLUS EASY PARK ET PLUS Entrance Station (detector included)

EP C PLUS EASY PARK COIN PLUS Exit Station (detector included)

BAR Barrier

PAN Indication Panel

KIT VA Alarm display kit

TYPE

Suitable for small areas where the exit point is attended by the manager who takes the payment.

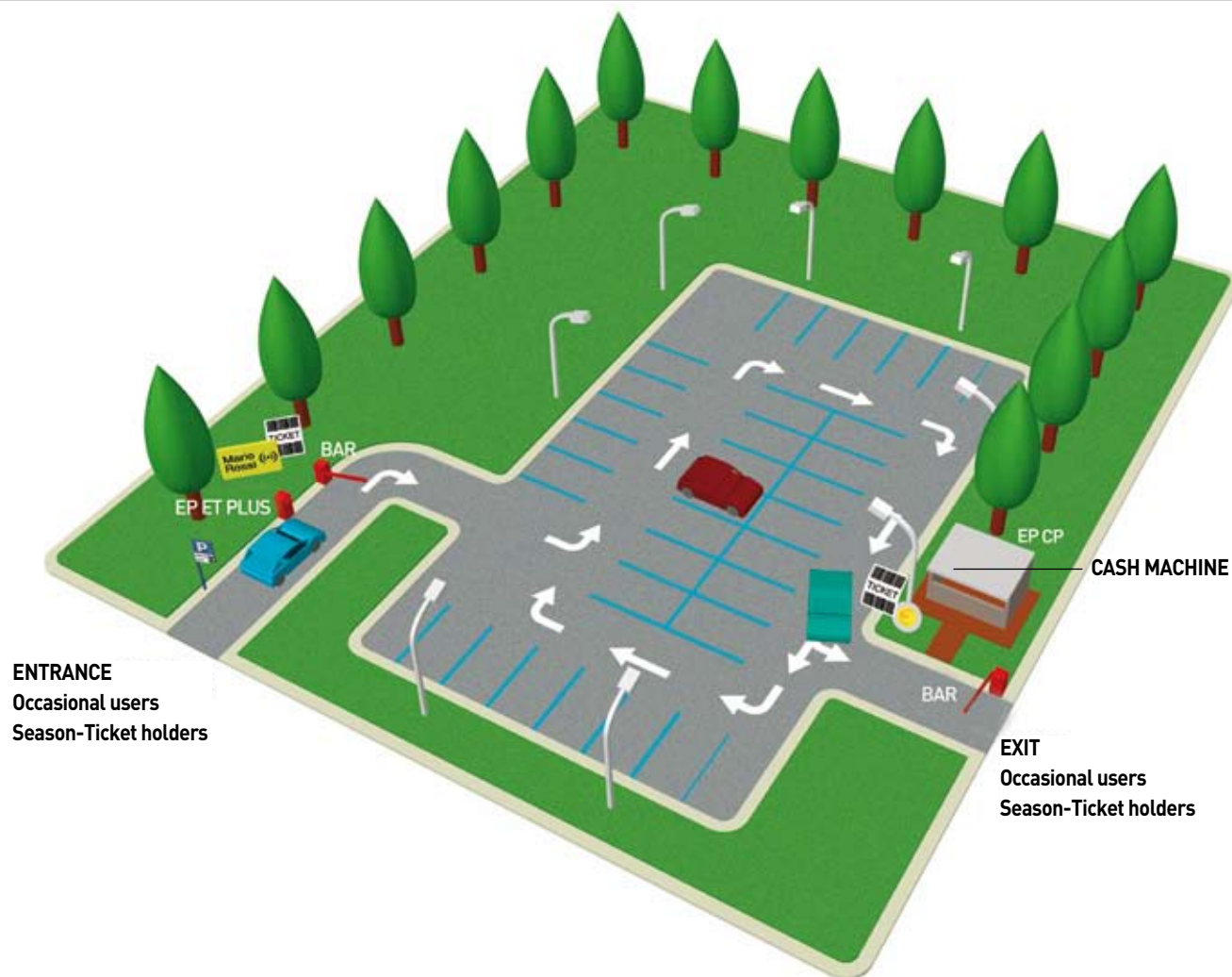
OPERATION**Entrance:**

- on arriving, the occasional user presses the entrance post button, collects the ticket and enters the car park;
- the season-ticket user enters by holding the transponder card close to the proximity reader.

Payment and Exit:

- the user hands in the ticket at the attended pay desk found at the exit point, the charge is calculated and the operator enables the exit point;
- the season-ticket user displays the card at the pay desk or in front of the transponder reader at the exit point (optional).

CODE	COMPONENT	QUANTITY
MINIMUM CONFIGURATION		
P970039 00001	EASY PARK ET PLUS Entrance Station (detector included)	1
R950006	EASY PARK ATTENDED PAY DESK (including: PC – Courtesy display - Software CD – Laser - Stampante Scanner – Receipt Printer - RS485 Converter)	1
D110945	3m terminal magnetic loop	3
P940030 00002	Barrier	2
N728020	3m one-piece boom	2
D730251	Anchoring base	2
P120003 00001	Rubber contour for boom	2
Other barrier accessories are available on request		



LAYOUT

The entrance stations are connected to the pay desk by means of just one CAT5 cable.

→ Display of appliance status directly on the PC:

- appliance diagnostics
- alarm for tickets running out
- alarm for barrier uprooted
- alarm for accidental crash into the station

→ Commands sent to appliances:

- open/close bar
- setting of access point operation mode
- setting of help messages

→ Display of number of spaces available

→ Automatic control of indication panel

LEGEND

EP ET PLUS	EASY PARK ET PLUS Entrance Station (detector included)
EP CP	EASY PARK ATTENDED PAY DESK
BAR	Barrier

TYPE

This version provides several access points both on entrance and on exit, connected to the attended pay desk which checks the entire system for correct operation.

OPERATION**Entrance:**

- on arriving, the occasional user presses the entrance post button, collects the ticket and enters the car park;
- the season-ticket user enters by holding the transponder card close to the proximity reader.

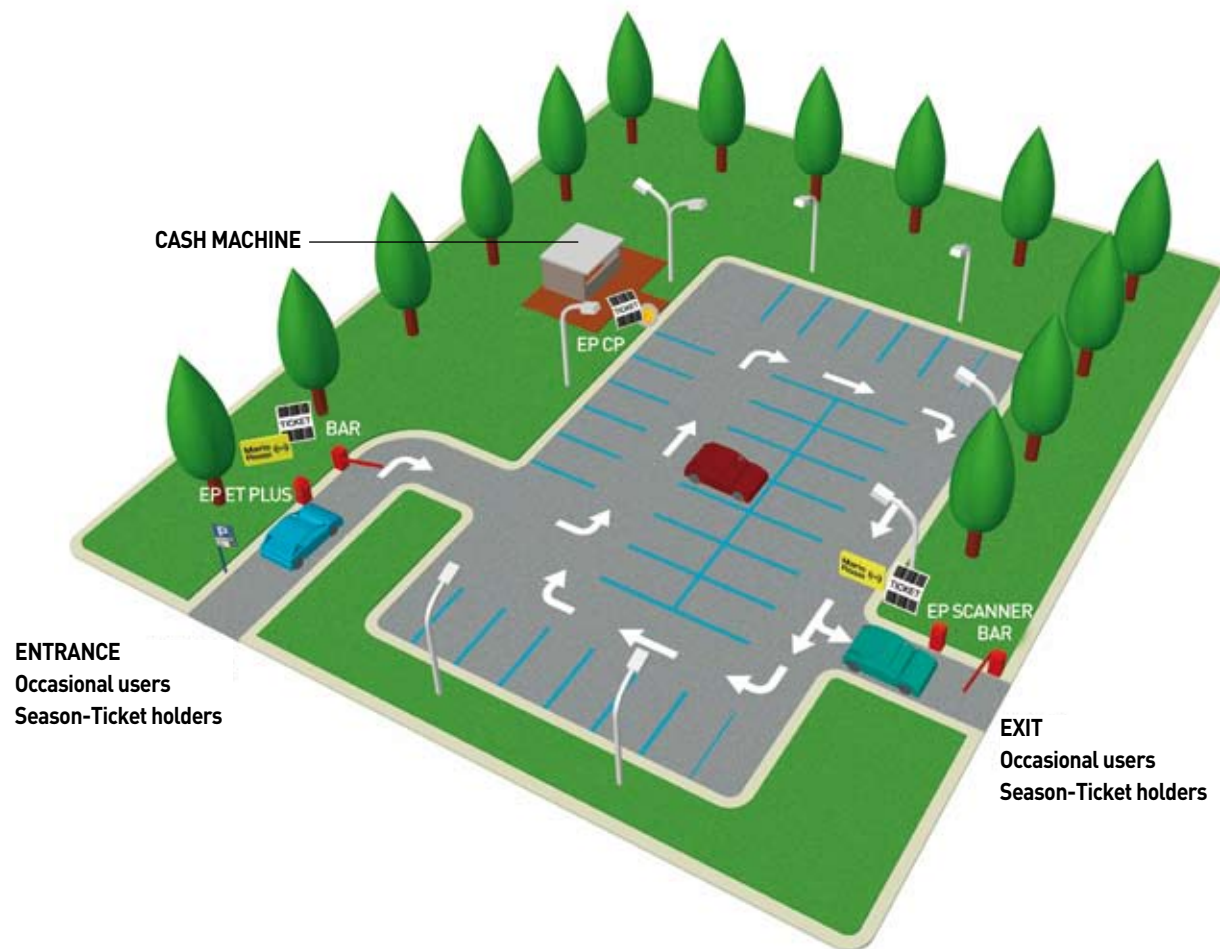
Payment:

- the user hands in the ticket at the decentralised attended pay desk, the charge is calculated and the operator gives back the ticket validated.

Exit:

- the occasional user holds the validated ticket close to the optical reader on the exit post and leaves;
- the season-ticket user leaves by holding the transponder card close to the proximity reader.

CODE	COMPONENT	QUANTITY
MINIMUM CONFIGURATION		
P970039 00001	EASY PARK ET PLUS Entrance Station (detector included)	1
P970035 00003	EASY PARK SCANNER Exit Station (detector included)	1
R950006	EASY PARK ATTENDED PAY DESK (including: PC – Courtesy display – Software CD – Laser Scanner – Receipt Printer – RS485 Converter)	1
D110945	3m terminal magnetic loop	4
P940030 00002	Barrier	2
N728020	3m one-piece boom	2
D730251	Anchoring base	2
P120003 00001	Rubber contour for boom	2
Other barrier accessories are available on request		



LAYOUT

The entrance and exit stations are connected to the pay desk by means of just one CAT5 cable.

→ Display of appliance status directly on the PC:

- appliance diagnostics
- alarm for tickets running out
- alarm for barrier uprooted
- alarm for accidental crash into the station

→ Commands sent to appliances:

- open/close bar
- setting of access point operation mode
- setting of help messages

→ Display of number of spaces available

→ Automatic control of indication panel

LEGEND

EP ET PLUS	EASY PARK ET PLUS Entrance Station (detector included)
EP SCANNER	EASY PARK SCANNER Exit Station (detector included)
EP CP	EASY PARK ATTENDED PAY DESK
BAR	Barrier

TYPE

As compared to the previous type, this version allows the costs of personnel to be reduced, by extending the parking service even to night-time periods without a pay desk operator.

OPERATION**Entrance:**

- on arriving, the occasional user presses the entrance post button, collects the ticket and enters the car park;
- the season-ticket user enters by holding the transponder card close to the proximity reader.

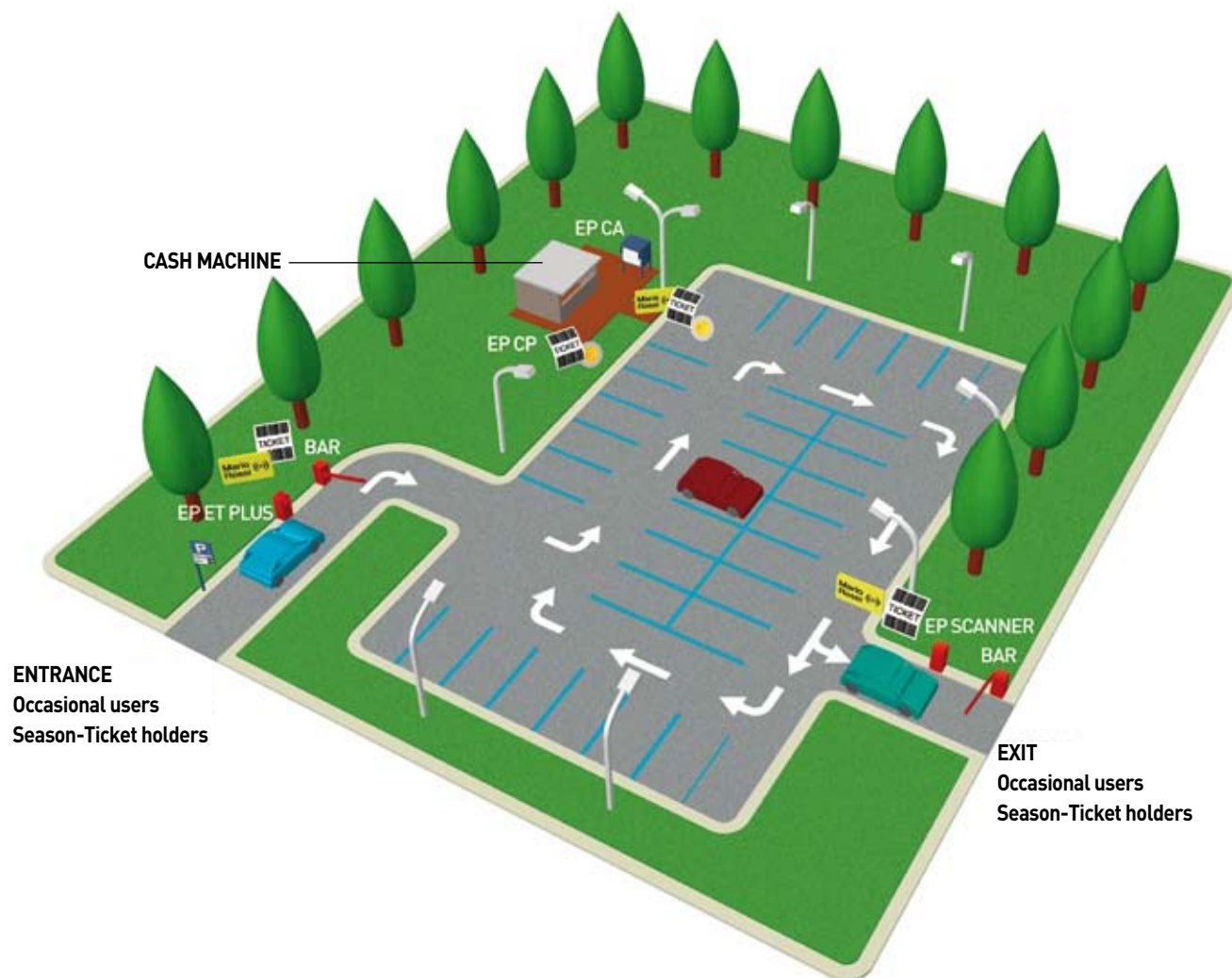
Payment:

- the occasional user hands in the ticket at the decentralised attended pay desk, the charge is calculated and the operator returns the validated ticket;
- or
- the occasional user displays the ticket at the automatic cash machine which works with coins and banknotes. After payment is received, the ticket is validated for the exit point and the cash machine issues a receipt.

Exit:

- the occasional user holds the validated ticket close to the optical reader on the exit post and leaves;
- the season-ticket user leaves by holding the transponder card close to the proximity reader.

CODE	COMPONENT	QUANTITY
MINIMUM CONFIGURATION		
P970039 00001	EASY PARK ET PLUS Entrance Station (detector included)	1
P970035 00003	EASY PARK SCANNER Exit Station (detector included)	1
P970040 00001	EASY PARK AUTOMATIC CASH MACHINE	1
R950006	EASY PARK ATTENDED PAY DESK (including: PC - Courtesy display - Software CD - Laser Scanner - Receipt Printer - RS485 Converter)	1
D110945	3m terminal magnetic loop	4
P940030 00002	Barrier	2
N728020	3m one-piece boom	2
D730251	Anchoring base	2
P120003 00001	Rubber contour for boom	2
Other barrier accessories are available on request		



LAYOUT

The entrance and exit stations are connected to the pay desk by means of just one CAT5 cable.

→ Display of appliance status directly on the PC:

- appliance diagnostics
- alarm for tickets running out
- alarm for barrier uprooted
- alarm for accidental crash into the station

→ Commands sent to appliances:

- open/close bar
- setting of access point operation mode
- setting of help messages

→ Display of number of spaces available

→ Automatic control of indication panel

The Automatic Cash machine is connected to the Attended Pay Desk by means of the CAT5 cable via the TCPIP protocol. From the attended desk, the Automatic Cash machine operation and status can be fully checked in real time .

LEGEND

EP ET PLUS	EASY PARK ET PLUS Entrance Station (detector included)
EP SCANNER	EASY PARK SCANNER Exit Station (detector included)
EP CA	EASY PARK AUTOMATIC CASH MACHINE
EP CP	EASY PARK ATTENDED PAY DESK
BAR	Barrier

TYPE

This version is suitable for car parks where the entrance point is found next to the exit point.

OPERATION

Entrance:

- on arriving, the occasional user presses the button, collects the transponder coin and enters the car park;
- the season-ticket user enters by holding the transponder card close to the proximity reader.

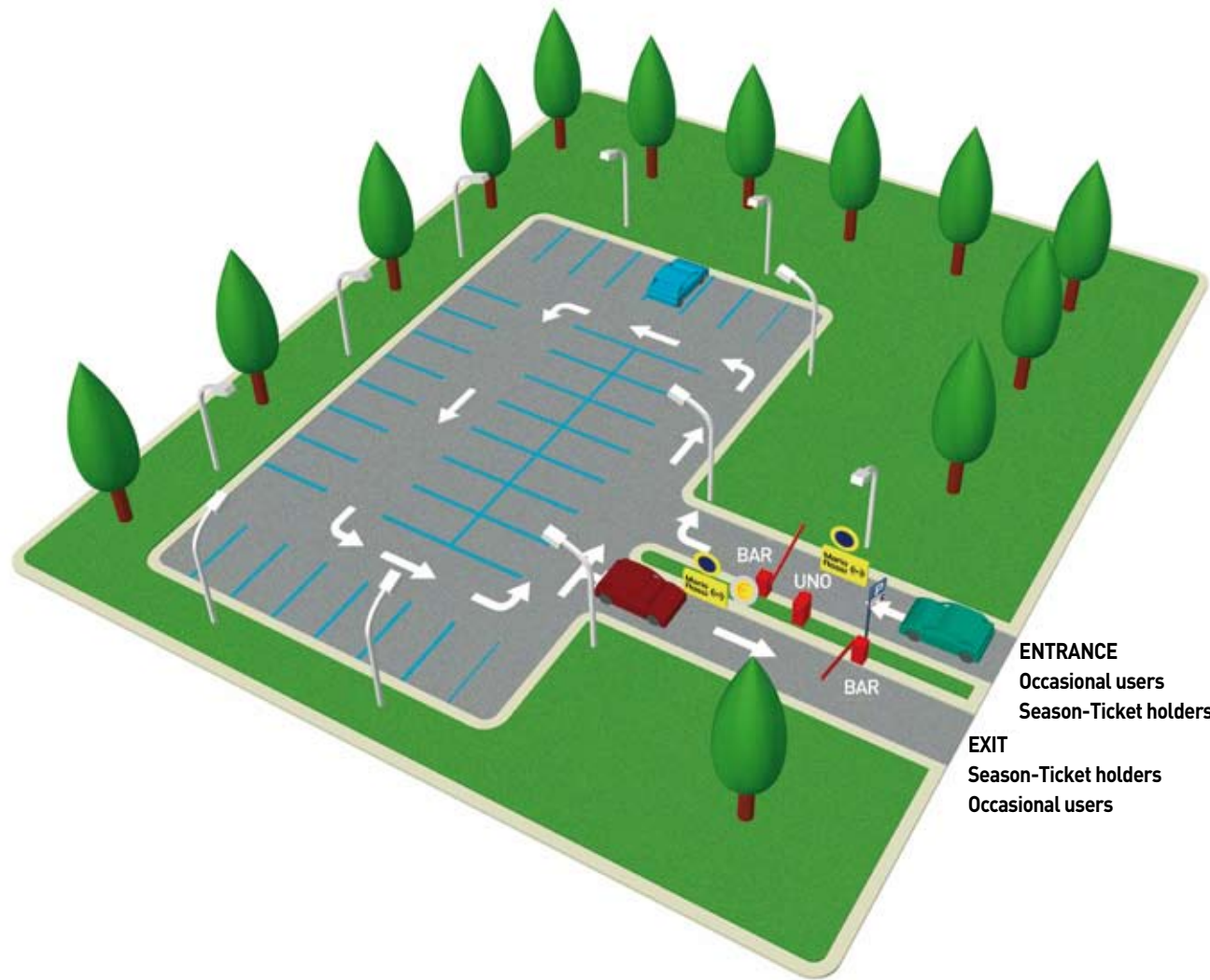
Payment and Exit:

→ the occasional user inserts the transponder coin in the Uno Multifunction Station. The display shows the amount to be paid calculated on the basis of the hourly fees set by the manager. Payment is made from the car by means of coins.

It is possible to request the payment receipt. After payment, the barrier opens.

- the season-ticket user leaves by holding the transponder card close to the proximity reader.

CODE	COMPONENT	QUANTITY
MINIMUM CONFIGURATION		
P970037	UNO MULTIFUNCTION STATION (detector included)	1
D110945	3m terminal magnetic loop	4
P940030 00002	Barrier	2
N728020	3m one-piece boom	2
D730251	Anchoring base	2
P120003 00001	Rubber contour for boom	2
Other barrier accessories are available on request		



LEGEND a
UNO UNO MULTIFUNCTION STATION (detector included)
BAR Barrier

ENTRANCE
Occasional users
Season-Ticket holders

EXIT
Season-Ticket holders
Occasional users

ACCESSORIES

20

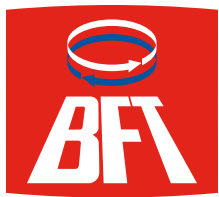
CODE	COMPONENT	SOLUTION
P800018	Transponder coin	6
D110912	Transponder card	2 3 4 5 6
P800015	Pack of 100 coins for EASY PARK COIN exit post	1 2
P800023	Ticket roll for EASY PARK entrance post (pack of 5 pieces)	1 2 3 4 5
P800024	Receipt roll for ATTENDED PAY DESK (pack of 5 pieces)	3 4 5
P800021	Thermographic paper roll for UNO MULTIFUNCTION STATION receipts (pack of 5 pieces)	6
P800014	Telepark Reader	
P800017	Vehicle tag	
P800011	Number-plate reading system	

CONDITIONS OF SALE

BFT can provide the installation (system testing and training course) which will be specifically quoted in the offer and maintenance contracts.

Prices and payment conditions are listed in the offer.

BFT reserves the right to make the technical changes it deems appropriate for the improvement of the products contained in this catalogue.



Opens the future

COMPANY WITH INTEGRATED
MANAGEMENT SYSTEM CERTIFIED BY DNV
= ISO 9001:2000 =
ISO 14001:2004

D832277 00201 - rev. 01 - Marzo 2007

BFT S.P.A.

Via Lago di Vico 44
36015 Schio (Vi) / Italy
tel. +39 0445 69 65 11
fax +39 0445 69 65 22
www.bft.it - e-mail: info@bft.it

BFT Automation UK Ltd
Unit 8E, Newby Road
Industrial Estate
Hazel Grove, Stockport,
Cheshire, SK7 5DA - UK
tel. +44 (0) 161 4560456
fax +44 (0) 161 4569090
e-mail:
info@bftautomation.co.uk

AUTOMATISMES BFT FRANCE
13 Bdl. E. Michelet
69008 Lyon - France
tel. +33 (0)4 78 76 09 88
fax +33 (0)4 78 76 92 23
e-mail: contacts@
automatismes-bft-france.fr

BFT Torantriebssysteme GmbH
Faber-Castell-Straße 29
D - 90522 Oberasbach - Germany
Tel. +49 (0)911 766 00 90
Fax +49 (0)911 766 00 99
eMail:
service@bft-torantriebe.de

BFT BENELUX SA
Parc Industriel 1
Rue du commerce 12
1400 Nivelles - Belgium
tel. +32 (0)67 55 02 00
fax +32 (0)67 55 02 01
e-mail: info@bftbenelux.be

BFT Polska Sp. z o.o.
ul. Kołacińska 35
03-171 Warszawa / Poland
tel. +48 22 814 12 22 - fax +48
22 814 39 18
e-mail: biuro@bft.com.pl

BFT USA
BFT U.S., Inc.
6100 Broken Sound Pkwy. N.W.
Suite 14
Boca Raton, FL 33487,
U.S.A.
T: +1 561.995.8155
F: +1 561.995.8160
info.bft@bft-usa.com

BFT GROUP ITALIBERICA
DE AUTOMATISMOS S.L.
Pol. Palou Nord,
Sector F - C/Cami - Can Basa nº 6-8
08401 Granollers - (Barcelona) - Spain
tel. +34 938 61 48 28
fax +34 938 70 03 94
e-mail: bftbcn@
bftautomatismos.com

P.I. Comendador - C/
informática, Nave 22 - 19200
Azuqueca de henares
(Guadalajara) - Spain
tel. +34 949 26 32 00
fax +34 949 26 24 51
e-mail: administracion@
bftautomatismos.com