<table>
<thead>
<tr>
<th>Automatic doors</th>
<th>Radars IR sensors</th>
<th>Selectors</th>
<th>Control systems</th>
<th>Accessories</th>
</tr>
</thead>
</table>

Opens the future
Our Schio premises in Italy’s Northeast stretch over 21,000 square metres, which include 15,000 sq m of indoor floor space. It is a modern facility that has recently been extended with the addition of two new buildings. Getting here is easy. From Verona’s “Catullo” airport or Venice’s “Marco Polo” airport or from the Milan/Venice A4 motorway: take the A31-Valdastico road, following the signs for Piovene Rocchette. Take the Schio/Thiene exit and follow the signs for Schio’s northern industrial estate “Zona Industriale. BFT have always believed in service as a key element in their dealings with customers. A widespread network of installers and professionals work nationwide and across the globe to promptly solve technical and business issues of any kind. The quality of each product is guaranteed by an exclusive warranty formula that covers the purchase for 24 months. Giving you lasting peace of mind for years to come.
COMPANY CERTIFICATION

UNI EN ISO 9001-2000
Hinged on customer satisfaction, it specifies the total quality requirements of a company management system, with the aim of achieving better internal organization and improving relationships with stakeholders outside the company, with a focus on ensuring ISO 14001 customers receive increasingly efficient services.

BFT SpA’s Environmental Management System was certified according to the standard UNI EN ISO 14001:1996 on 30/12/2003. BFT was awarded this company certification as a guarantee of its commitment to the environmental protection that always goes hand in hand with the development of a great company.

PRODUCT CERTIFICATIONS

CE
Compulsory European product self-certification that guarantees conformity with safety standard requirements

CSA
This certification guarantees product quality in compliance with certain standards that must be met for exports to be accepted into the North American market.
• POWER AND RELIABILITY
Suitable for use on doors weighing up to 150kg (120+120kg in the case of 2-leaf models) used for continuous duty

• RELIABLE OPERATION
Electronic torque, speed and slow-down management system. Technologically advanced, it enables fast, accurate and harmonious motion, producing an unbeatably reliable installation.

• SPEED OF INSTALLATION
Designed to assure shorter installation times, it features simple, innovative solutions to make sure the installation stage is entirely effortless. These include the WWP installation profile, which means less people are required to do the job (installation can be carried out even by one person on their own!) and the AUTOSET system via which all parameters required for operation can be set automatically.

• WHISPER-QUIET OPERATION GUARANTEED TO LAST
The aluminium track ensures that the sliding system will continue to provide peak mechanical performance well into the future. The shock-absorbing profile minimizes the amount of vibration transmitted to the structure, practically eliminating noise in the process.

• INTUITIVE USE
Designed with the installer in mind, it features simple, intuitive adjustment devices that are easy to reach. At the same time, it provides unbeatable ease of use for the end user who - through the VISTA SEL selector - can configure the door by simply pressing a key, with no chance of making a mistake.

• ELEGANCE AND FUNCTION
Smooth lines and small size are two of the distinguishing traits of the VISTA SEL automatic door.

• BUILT-IN RADIO-RECEIVER
With a CLONIX-series 433Mhz radio-receiver built in as standard, the door can be controlled with the T BOX numerical keypad, wall and/or desktop RB button or MITTO remote controls.

VISTA SEL
Mode selector with option of restricted personnel access. A magnetic key can actually be used to lock out or enable its use.

<table>
<thead>
<tr>
<th>TECHNICAL FEATURES</th>
<th>VISTA SL1</th>
<th>VISTA SL2</th>
</tr>
</thead>
<tbody>
<tr>
<td>POWER SUPPLY</td>
<td>230V 50Hz</td>
<td></td>
</tr>
<tr>
<td>POWER INPUT</td>
<td>230 W</td>
<td></td>
</tr>
<tr>
<td>OPERATING CYCLE</td>
<td>Continuous</td>
<td></td>
</tr>
<tr>
<td>MINIMUM OPENING WIDTH</td>
<td>75 cm</td>
<td>80 cm</td>
</tr>
<tr>
<td>MAXIMUM OPENING WIDTH</td>
<td>255 cm</td>
<td>290 cm</td>
</tr>
<tr>
<td>MAXIMUM LEAF WEIGHT</td>
<td>150 kg</td>
<td>120+120 kg</td>
</tr>
<tr>
<td>MAXIMUM SPEED OF MOVEMENT</td>
<td>50 cm/sec</td>
<td>100 cm/sec</td>
</tr>
<tr>
<td>HEADER SIZE</td>
<td>166x155 mm</td>
<td></td>
</tr>
<tr>
<td>PARTIAL OPENING</td>
<td>10-70% opening width</td>
<td></td>
</tr>
<tr>
<td>ANTI-CRUSH</td>
<td>encoder and microprocessor</td>
<td></td>
</tr>
<tr>
<td>OPERATING TEMPERATURE RANGE</td>
<td>0°/55°C inside enclosure</td>
<td></td>
</tr>
<tr>
<td>RUNNER HEIGHT ADJUSTMENT</td>
<td>Up to 16 mm</td>
<td></td>
</tr>
</tbody>
</table>
**VISTA SL SELECTOR FUNCTIONS**

- Programming unrestricted or protected by magnetic key
- Activate internal radar
- Activate external radar
- Activate internal and external radars
- Deactivate radar
- Normal mode
- Door closed at night
- Door closed by day
- Total opening
- Partial opening
- Partial open
- Partial lock opening

**ELECTRIC LOCK MODE**

- Motor always locked
- Motor locked with door closed only
- Motor locked every time stops
- Motor locked every time stops for more than 20 seconds
- Motor reacts with 10N to attempted opening
- Motor reacts with maximum force to attempted opening

**VISTA SL**

**AUTOMATIC ADJUSTMENTS**

- Acceleration
- Brake
- Opening deceleration distance
- Closing deceleration distance
- Opening slow-down distance
- Closing slow-down distance
- Opening speed
- Closing speed
- Opening torque
- Closing torque
- Safety operation testing

**ADJUSTABLE FUNCTIONS**

- Automatic closing (0-60 sec)
- Time-to-clear (1-99 sec)
- Partial opening (10-70%)
- Partial lock opening (3-30 cm)
- Alarm time (1-90 sec)
- Acceleration (1-10)
- Brake (1-10)
- Opening deceleration distance (10-70 cm)
- Closing deceleration distance (10-70 cm)
- Opening slow-down distance (10-20 cm)
- Closing slow-down distance (10-20 cm)
- Opening speed (1-99%)
- Closing speed (1-99%)
- Opening torque (1-99%)
- Closing torque (1-99%)
- Zones (0-127)
- Door mode (0-6)
- Radar enabling (0-2)
- Emergency input (0-3)
- Buzzer (0-3)
- Door output (0-1)
- Lock type (0-5)

**ALARMS CONFIGURATION**

**EMERGENCY INPUT**

- Opens and locks the door if NO
- Closes and locks the door if NO
- Opens and locks the door if NC
- Closes and locks the door if NC

**DOOR STATE OUTPUT**

- Output active if door is not completely closed
- Output active if door is not completely open

**ALARM OUTPUT**

- Photocell triggered for longer than T.Alarm time
- Obstacle detected
- Attempt to force open closed door
COMPONENTS AND ACCESSORIES

- **VISTA SEL - D113722**
  Mode selector

- **PROXIMA - P111326**
  Programmer

- **BBV - P111442**
  Emergency batteries

- **Mains supply transformer**

- **T-BOX - P121019**
  Wireless numerical keypad

- **Wireless wall button**
  WMP

- **Mounting profile**

- **COMPASS SLIM - D113704**
  Proximity reader

- **COMPASS RING - D110914**
  Proximity keyring

- **Service and power cable guide system**

- **24Vdc gearbox**

- **BBV - P111442**
  Emergency batteries

- **VISTA SEL - D113722**
  Mode selector

- **VISTA ELA - N733415**
  Kit with elastic for emergency open

- **Track vibration damper profile**

- **EBR - N733408**
  Electric lock

- **Control unit**
  ARIA

- **COMPASS RING - D110914**
  Proximity keyring

- **COMPASS SLIM - D113704**
  Proximity reader
## DOORS AND COVERS RANGE

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
<th>POWER SUPPLY</th>
<th>B(mm)</th>
<th>A(mm)</th>
<th>L(mm)</th>
<th>ANODIZED CARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISTA 1 - LEFT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>P960502 00002</td>
<td>VISTA SL-107</td>
<td>24 V</td>
<td>750</td>
<td>800</td>
<td>1600</td>
<td>P111411 00002</td>
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<tr>
<td>P960503 00002</td>
<td>VISTA SL-108</td>
<td>24 V</td>
<td>850</td>
<td>900</td>
<td>1800</td>
<td>P111412 00002</td>
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<tr>
<td>P960504 00002</td>
<td>VISTA SL-109</td>
<td>24 V</td>
<td>960</td>
<td>1000</td>
<td>2000</td>
<td>P111414 00002</td>
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<tr>
<td>P960505 00002</td>
<td>VISTA SL-110</td>
<td>24 V</td>
<td>1050</td>
<td>1100</td>
<td>2200</td>
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<td>P960506 00002</td>
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<td>1200</td>
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<td>1300</td>
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<td>1500</td>
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<td>VISTA SL-118</td>
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<td>1900</td>
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<td>VISTA SL-121</td>
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<td>2400</td>
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<td>P960516 00002</td>
<td>VISTA SL-125</td>
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<td>2600</td>
<td>5200</td>
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</table>

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
<th>POWER SUPPLY</th>
<th>B(mm)</th>
<th>A(mm)</th>
<th>L(mm)</th>
<th>ANODIZED CARTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISTA 2</td>
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</tr>
<tr>
<td>P960517 00002</td>
<td>VISTA SL-208</td>
<td>24 V</td>
<td>800</td>
<td>2X500</td>
<td>1900</td>
<td>P111413 00002</td>
</tr>
<tr>
<td>P960518 00002</td>
<td>VISTA SL-209</td>
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<td>900</td>
<td>2X500</td>
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<tr>
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<td>VISTA SL-210</td>
<td>24 V</td>
<td>1000</td>
<td>2X500</td>
<td>2200</td>
<td>P111415 00002</td>
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<tr>
<td>P960520 00002</td>
<td>VISTA SL-211</td>
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<td>1100</td>
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<td>2400</td>
<td>P111416 00002</td>
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<tr>
<td>P960521 00002</td>
<td>VISTA SL-212</td>
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<td>2X650</td>
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<td>2X700</td>
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<tr>
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<td>VISTA SL-215</td>
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<td>VISTA SL-216</td>
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<td>VISTA SL-217</td>
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<td>1700</td>
<td>2X900</td>
<td>3600</td>
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<tr>
<td>P960526 00002</td>
<td>VISTA SL-218</td>
<td>24 V</td>
<td>1800</td>
<td>2X1000</td>
<td>4000</td>
<td>P111423 00002</td>
</tr>
<tr>
<td>P960527 00002</td>
<td>VISTA SL-219</td>
<td>24 V</td>
<td>1900</td>
<td>2X1100</td>
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<tr>
<td>P960528 00002</td>
<td>VISTA SL-220</td>
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<td>2000</td>
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<td>P960529 00002</td>
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<td>2100</td>
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<tr>
<td>P960530 00002</td>
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<td>2X1400</td>
<td>5600</td>
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<tr>
<td>P960531 00002</td>
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<td>2300</td>
<td>2X1500</td>
<td>6000</td>
<td>P111428 00002</td>
</tr>
</tbody>
</table>

**NOTE:**
- for natural aluminium guards, give the anodised guard codes with 00001 instead of 00002.
- for right side version give the left side codes with 00004 instead 00002

## ACCESSORIES RANGE

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>N733408</td>
<td>ERV - VISTA UNIT ASSEMBLY</td>
</tr>
<tr>
<td>D113722</td>
<td>VISTA SEL - MODE PROGRAMMER</td>
</tr>
<tr>
<td>P111442</td>
<td>BBV - BATTERY-POWERED PANIC DEVICE</td>
</tr>
<tr>
<td>P111445</td>
<td>SBV - ANODIZED SUPPORTING BEAM FOR LINEA</td>
</tr>
<tr>
<td>P111404</td>
<td>SEAGLE 2 - BI-DIRECTIONAL MICROWAVE RADAR</td>
</tr>
<tr>
<td>P111403</td>
<td>EAGLE 1 - MONO- AND BI-DIRECTIONAL MICROWAVE RADAR</td>
</tr>
<tr>
<td>P111402 00001</td>
<td>ACTIVE 8 - MICROWAVE RADAR WITH IR SAFETY CURTAINS</td>
</tr>
<tr>
<td>P111406</td>
<td>SPOTFINDER - INFRARED DETECTOR</td>
</tr>
<tr>
<td>P111405</td>
<td>REMOTE CONTROL</td>
</tr>
<tr>
<td>P111325</td>
<td>RIP - INFRARED RADAR</td>
</tr>
<tr>
<td>P111265</td>
<td>FPA1 - PHOTOCELL MANAGEMENT SYSTEM WITH 1 PAIR OF SENSORS</td>
</tr>
<tr>
<td>P111266</td>
<td>FPA1 - PHOTOCELL MANAGEMENT SYSTEM WITH 2 PAIRS OF SENSORS</td>
</tr>
<tr>
<td>N999305</td>
<td>MOBILE LEAF SEALING BRUSH PACK</td>
</tr>
</tbody>
</table>
**ASSEMBLY KITS**

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>P960536 00002</td>
<td>230V 2-LEAF VISTA2 ASSEMBLY KIT</td>
</tr>
<tr>
<td>P960535 00002</td>
<td>230V 1-LEAF VISTA1 ASSEMBLY KIT</td>
</tr>
<tr>
<td>P960533 00002</td>
<td>ANOD. ALUMINIUM PROFILE KIT, 4.2 M LONG</td>
</tr>
<tr>
<td>P960534 00002</td>
<td>ANOD. ALUMINIUM PROFILE KIT, 6.5 M LONG</td>
</tr>
<tr>
<td>P960533 00001</td>
<td>NATURAL. ALUMINIUM PROFILE KIT, 4.2 M LONG</td>
</tr>
<tr>
<td>P960534 00001</td>
<td>NATURAL. ALUMINIUM PROFILE KIT, 6.5 M LONG</td>
</tr>
<tr>
<td>P111447</td>
<td>WIRING KIT VISTA SL MOD 107-125 E 212-229</td>
</tr>
<tr>
<td>P111448</td>
<td>WIRING KIT VISTA SL MOD 208-211</td>
</tr>
<tr>
<td>D191099</td>
<td>VISTA SL BELT KIT- 30 MT PACK</td>
</tr>
</tbody>
</table>
SASAM1 - SASAM 2

Breakout door device enabling door leaves to be pushed open even when the door is closed. Complete with safety contacts that prevent the door from being driven by the motor when door leaves are “aparte”.

SASAM-1 designed for use with single-leaf doors (maximum opening width 1100mm)
SASAM-2 designed for use with two-leaf doors (maximum opening width 2200mm)
NOTES
- Channel sections are supplied in 5m lengths and weatherstripping in 30m rolls.
- The 20 mm contours are not suitable with the SASAM antipanic system.
- The 20 mm contours are available also painted uron request.
- The profiles are available in assembly kits. Call BFT for more information.
EAGLE ONE - SEAGLE TWO
MICROWAVE PRESENCE DETECTORS

- Mono- and/or bi-directional detector
- Universal motion detector for automatic doors with high energy efficiency
- K-band planar antenna specifically designed for automatic doors
- Digital electronics controlled by a powerful microprocessor
- Very wide detection lobe to provide the user with the best possible comfort and good side motion detection on approach
- “3D” adjustment: the antenna can be rotated along both axes:
  - Front adjustment: from 0° to 90°
  - Side adjustment: from 30° left to 30° right!
- Can be fitted as high as 4 m (up to 3 metres for SEAGLE TWO)
- Strong ABS casing
- Programming via REMOTE CONTROL (for EAGLE only)

**TELECOMANDO**

Instrument employed to program the EAGLE sensor by adjusting:
- Sensitivity
- Programming mode
- Immunity
- Relay output configuration

Detection range based on sensitivity adjustment

Example of installation

**Structure, connection and adjustment**

- Clamp board
- Power switch
- Antenna
- Relay output configuration
- Immunity
- Sensitivity
- Programming mode
ACTIVE8 TWO PB - COMBINED MICROWAVE-INFRARED DETECTOR

- Hyperfrequency and active infrared combined in a single unit
- Numerical electronics
- Motion detection for one-way opening (detection on approach)
- Presence detection provided by a double IR curtain, each comprising 24 interlaced spots so as to assure even, reliable detection
- Simplified settings courtesy of pre-programmed configurations

SPOTFINDER
- Instrument used to detect the exact position of the infrared safety curtains

Example of installation

Structure, connections and adjustment

Detection ranges that can be achieved based on sensitivity settings, tilt and antenna type.
RIP - FPA - INFRARED AND PHOTOCCELL PRESENCE DETECTORS

RIP
• Infrared presence detector
• Installation height up to 3 metres
• Double changeover output contact [NO/NC]
• Snow mode management
• Work frequency setting so that a number of sensors can be used close to each other without interference

FPA 1 - FPA 2
• Recessed safety photocells for automatic pedestrian doors
• Safe, accurate operation by virtue of “microprocessor” technology
• Extremely small optics [12.4 mm in diameter and 10 mm deep] for “concealed” installations
• Maximum range up to 10 metres
• Double output contact [NO/NC]

Example of installation
**VISTA SL**
Electromechanical automation for sliding doors

- with double and/or single leaf
- maximum weight 120+120 kg for double leaf
- maximum weight 150 kg for single leaf
- door opening width in range 750 to 2550 mm for single leaf
- door opening width in range 800 to 2900 mm for double leaf

**Structure**
- load-bearing header in extruded aluminium
- maximum overall dimensions 155x166mm
- shaped extruded aluminium cover fitted on shock-absorbing rubber hinge. Comes in natural or anodized
- galvanized steel cover locking lever with double locking position
- extruded aluminium track fitted on shock-absorbing bearing
- driven pulley with belt tensioning system and safety lock

**Drive**
- 24Vac synchronous motor with built-in optical encoder
- electric system stopping door opening motion

**Management and control unit**
- microprocessor-based control unit ARIA
- programming via display and buttons
- mode selection via VISTA SEL
- digital selector 433Mhz rolling-code radio-receiver supplied as standard

**Main settable functions**
- Automatic closing [0-60 sec]
- Time-to-clear [1-99 sec]
- Partial opening [10-70%]
- Partial lock opening [3-30 cm]
- Alarm time [1-90 sec]
- Acceleration [1-10]
- Brake [1-10]
- Opening deceleration distance [10-70 cm]
- Closing deceleration distance [10-70 cm]
- Opening slow-down distance [10-20 cm]
- Closing slow-down distance [10-20 cm]
- Opening speed [1-99%]
- Closing speed [1-99%]
- Opening torque [1-99%]
- Closing torque [1-99%]
- Zones [0-127]
- Door mode [0-6]
- Radar enabling [0-2]
- Emergency input [0-3]
- Buzzer [0-3]
- Lock type [0-5]
- Door alarm output [0-1]

**Automatically set functions**
- Acceleration
- Brake
- Opening deceleration distance
- Closing deceleration distance
- Opening slow-down distance
- Closing slow-down distance
- Opening speed

**Available modes**
- Programming unrestricted or protected by magnetic key
- Activate internal radar
- Activate external radar
- Activate internal and external radars
- Deactivate radar
- Normal mode
- Door closed at night
- Door closed by day
- Total opening
- Partial opening
- Partial open
- Partial lock opening

**Safety devices**
- electronic management of anti-crush feature
- dynamic monitoring of torque curve
- encoder-managed electronic anti-burglary system

**EXAMPLE OF A COMPLETE SYSTEM**
- VISTA SL automatic sliding door
- VISTA SEL mode selector
- SEK reinforced key switch for exterior use
- T-BOX wireless numerical keypad
- RB 4-channel wireless wall button
- EXT - INT pair of presence detectors
- TX - RX safety photocells