

FREE QUOTATION

Our professional staff will gladly provide you with an estimate, and if needed, help you through the selection process, ensuring that you've chosen the right model.

INSTALLATION

We also provide assistance for the installation of these products. You can install our premium quality security products yourself, or use our factory fitters which can save you a lot of time and hassle.



FORT
ENGINEERING

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FORT
ENGINEERING

GREAT BRITISH SECURITY

Doors, windows
& panic rooms.

100% made in
Great Britain.





“Design is not just what it looks like, It’s how it feels.”



The most secure doors and windows in the world – designed and made in Great Britain.

We’re a London based, dedicated team who take pride in designing and creating the best security products on the market. With over fourteen years experience in manufacturing security doors, windows and other entry systems, we use the best quality materials and the latest technology.

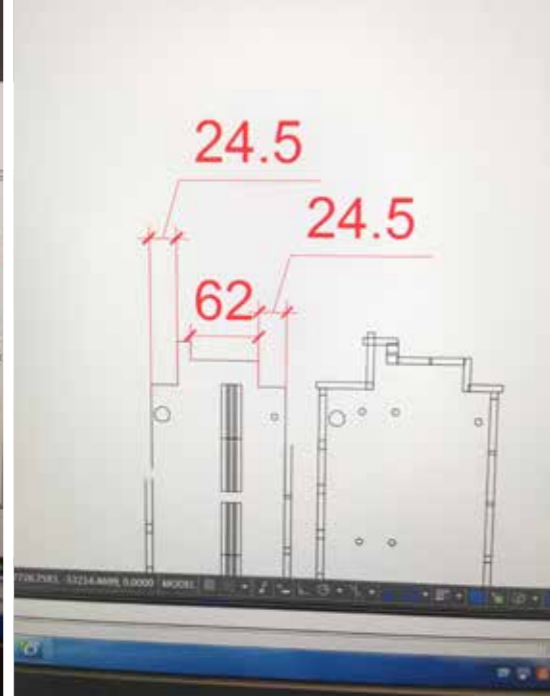
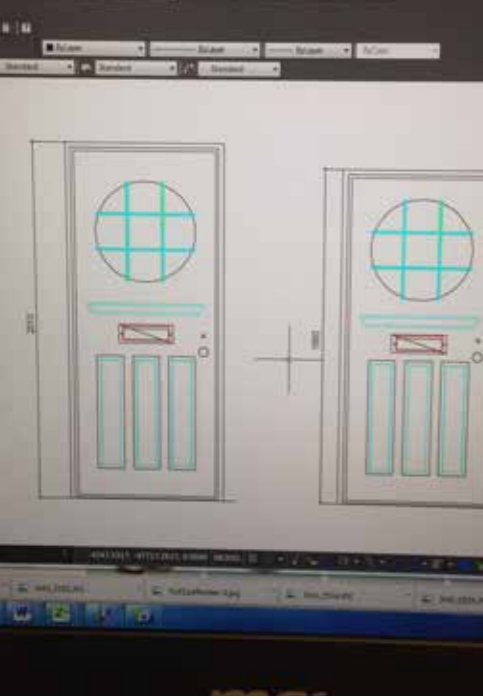
Our products are created using highly sophisticated computer controlled design and manufacturing techniques, providing the highest possible levels of precision.

They’re rigorously tested and are certified to prove they have been evaluated to meet the highest standards. This testing ensures that they’re burglar-proof, water-tight, soundproof and resistant to fire, smoke and wind. As a result of this continued testing, we’ve created products that are strong, light and do not compromise on security.

Different security levels are available depending on your needs, including bullet proof and explosion resistant. It’s also possible to install any mechanical or motorised lock that exists in the world, as long as it reaches our stringent security requirements.

Our doors and windows can be made to any style or finish, we can even replicate an original. Several patented security features have been implemented into our steel structures which makes them impenetrable and no one will be any the wiser it is a security door or window.

When it comes to security technology, we’re innovators and always one step ahead.



Just what is it that goes into our doors that makes them so special?

We design using industry standard software (AutoCAD, Punch 5, ArtCAM and SolidWorks) and manufacture using specialized CNC milling, steel punching and bending machinery. This enables us to maintain both precision and high volume production.

To guarantee a high quality door that meets European standards and also complies with British standards we follow a strictly planned process.

A well organised workplace makes it easy to maintain high manufacturing process standards. Consequently, every manufacturing operation follows a specified procedure, each operator using a touch-screen to record and control a products progress through the factory. This system provides the flexibility we need to manufacture large quantities of different security products.

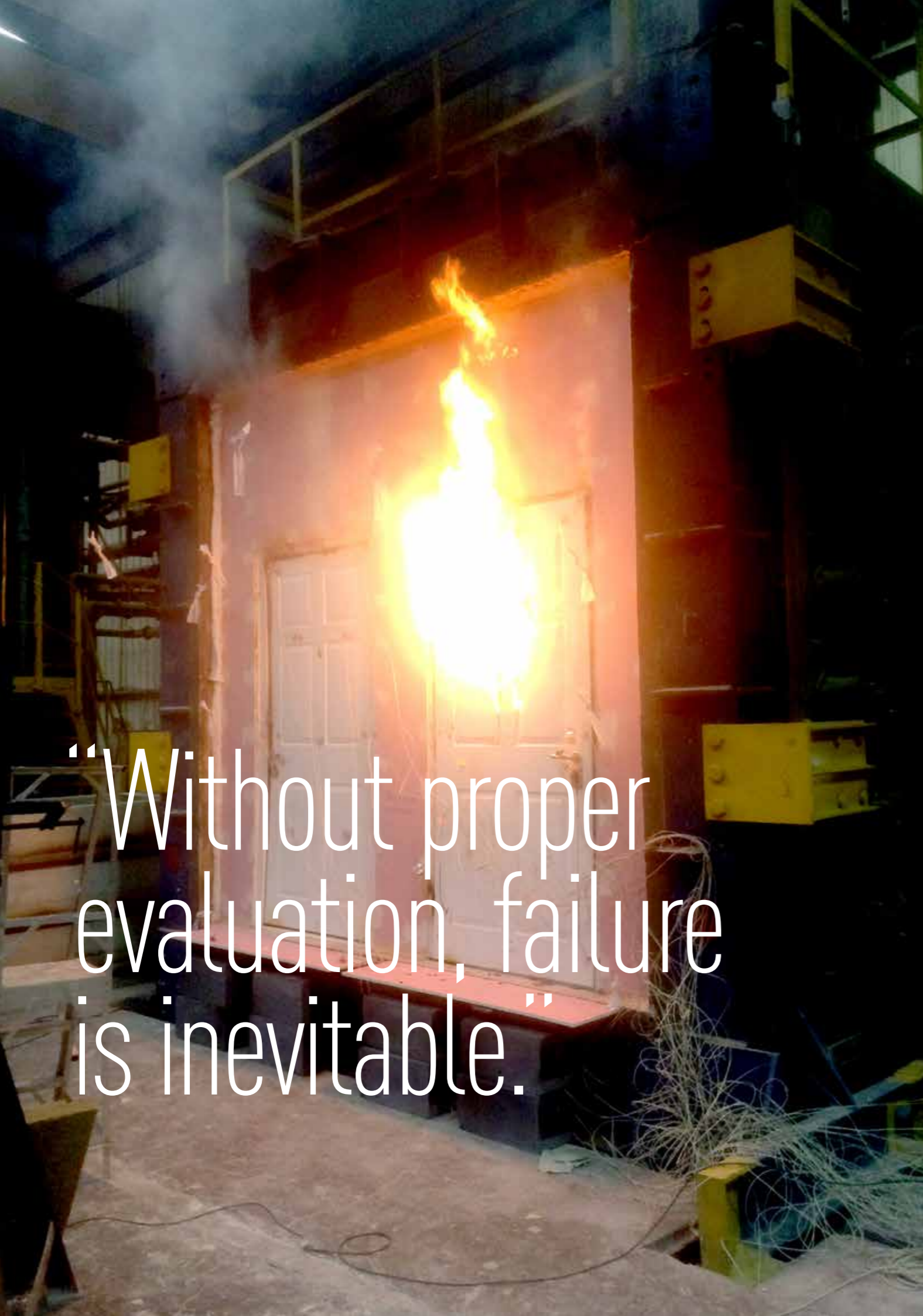
Our industrial punch and bending machines enable us to meet tight deadlines, while ensuring that the door or window design that you approved is produced to the highest standard.

The use of this technology means that any modification to a design can be quickly carried out, and any replacement parts are completely compatible with your existing door or window.

The inner structure of all our products are designed so that insulation can be easily and freely installed throughout. The offerings of our competitors are usually poorly designed, having a myriad of inner obstructions which stop the fitting of complete sheets of insulation. This isn't just an inelegant solution, but it causes poor sound and heat insulation.

All our engineers are qualified at masters level or above.





“Without proper evaluation, failure is inevitable.”



Attempting to break-in and break our products

Fort engineers have carried out hundreds of experiments over the years to find the best structure, materials and design for our security doors and windows.

Hours of painstaking research has resulted in the products that we sell today, ensuring that you get a highly reliable, dependable and durable product that will give years of service.

We build in excellent burglary resistance, thermal insulation, fire proofing, sound proofing, smoke resistance, rain and wind resistance, strength and durability, even bullet resistance.

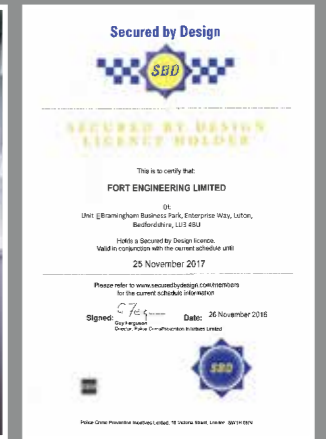
But this is only the start, our products are then independently tested and evaluated to comply with, and often exceed, all current and established standards.

Only if the testing is 100% successful, will we make a product available.



Official Police Security Initiative

“Design is intelligence made visible.”



Secured by design and above...

Fort: Level 4

The Fort level 4 is our maximum security door, providing the ultimate in burglar resistance. Its unique and patented construction was created after extensive research followed by intensive testing. Testers tried to break this door continuously for 77 minutes using crowbars, hammers, cutting and drilling tools but were not able to break in. Following these tests, it was awarded security class 4

The Fort level 4 Door standard features:

- Armoured locks protected by two drill resistant manganese plates
- Main and additional locks installed in protective steel boxes.
- Hinge side: eight 16mm diameter locking bolts
- Lock side: six locking bolts, with two additional vertical bolts. Each bolt protected by a steel sleeve in the door frame.
- Combined door structure: grating, steel sheet and grating again.
- Double thermal insulation: a 3 cm layer of rock wool on both sides of the steel sheet provides excellent noise and thermal insulation.
- Exterior covered by finishing board whose colour and design can be selected from an extensive choice.
- The frame is fixed by 17 pins, protected by steel liners of 24 mm.

Fort: Level 7

The Fort level 7 is a **bulletproof version** of our level 4 door, has been tested to EN1522 standard. This door model was awarded a level of bullet resistance of FB4, capable of resisting shots from a 9 mm handgun. The door can be single or double, supplied with bulletproof glass, and can open both inwards and outwards.

Fort: Level 3

Designed for a high risk of burglary, a Fort security level 3 door will protect a property from a thief using a crowbar or less heavy tools. Deploying the same research and testing as our other doors, our level 3 also has excellent sound and thermal insulation and is suitable for apartments and private houses, both indoor or outdoor.

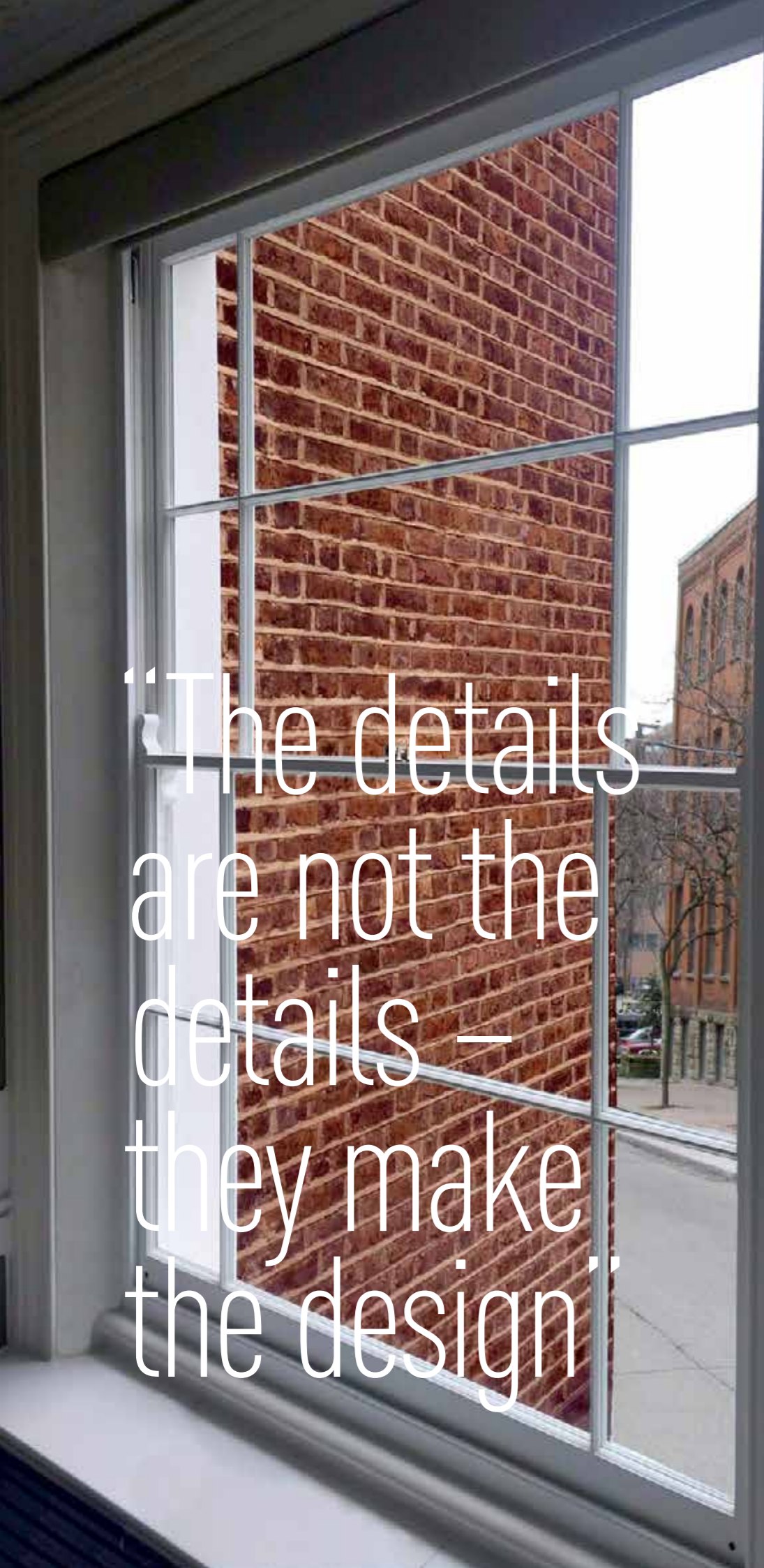
The Fort level 3 Door standard features:

- Door frame fixed in its aperture by 16 pins, protected from cutting by steel liners of 24 mm.
- Thermal insulation by rock wool or foam.
- Door leaf: special bent metal structure total width of the leaf 75 mm.
- Hinges with supporting bearings with chrome plated finishing caps
- Protective roll pins for door hinges
- Insulation seals
- Peephole
- Outside and inside door leaf finish
- Outside architraves.
- Locks, one of which is protected by drill resistant plate.

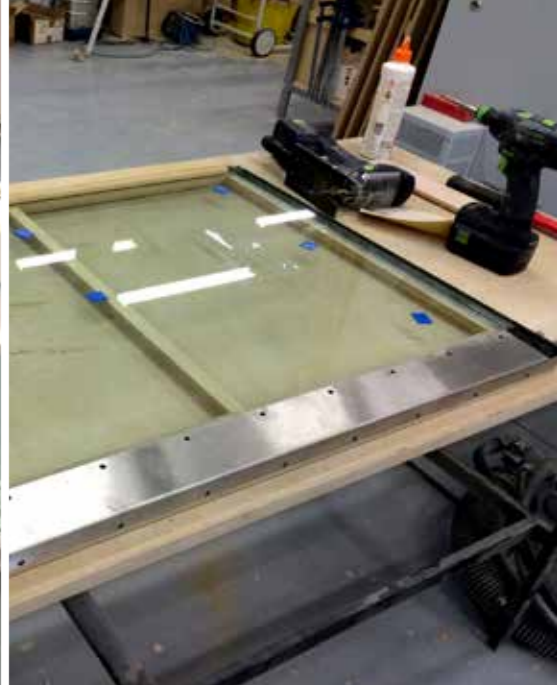
Fort: Level 1

Manufactured to meet PAS 24:2012, this is an ideal high security door to be installed in domestic spaces. Its bent metal construction makes it highly resilient and durable, providing your customers with a secure shield. Finished to perfection, the door is made using a water proof finish which makes it highly durable. It's been constructed to retain its original appearance even after significant mechanical damage.

Our level 1 door met or exceeded every test it was subjected to by BRE Global testing facility.



“The details are not the details – they make the design”



Fort security windows: designed and built for style and safekeeping.

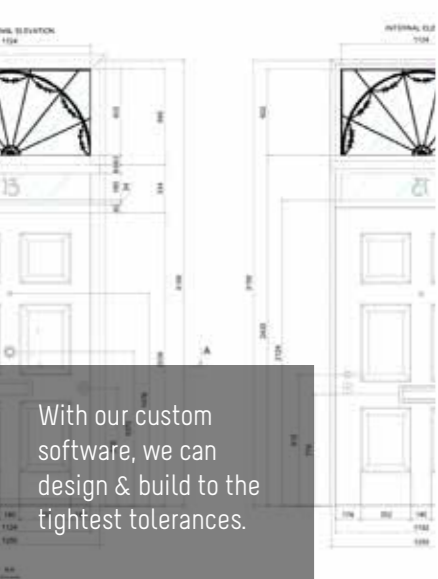
We have a reputation for building some of the most beautiful, strong and efficient security doors in the world. Our combination of incredible strength and cutting edge design are the perfect fit for homes or businesses.

Our Patent Applied for Security Sash Windows have three individual locks and panes that can't be removed

Like our security doors, they're built with the same attention to detail, use the same high grade materials and are easily able to withstand assault from crowbars, screwdrivers, drills, or even bullets.

Our burglar proof units consist of 11mm laminated glass, 6mm gap and then a 7mm sheet. Whilst our bulletproof model has 25mm of laminated glass enough to stop a 9mm bullet at close range.

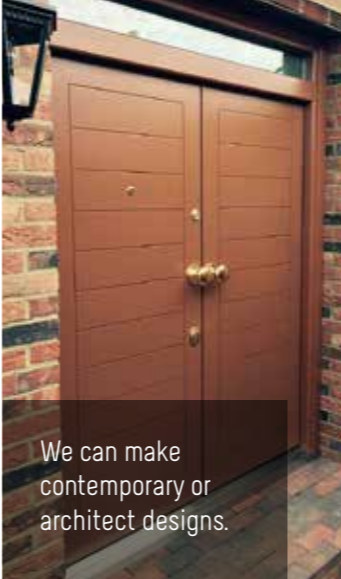




With our custom software, we can design & build to the tightest tolerances.



We can incorporate any locking system, mechanical, electronic or biometric.



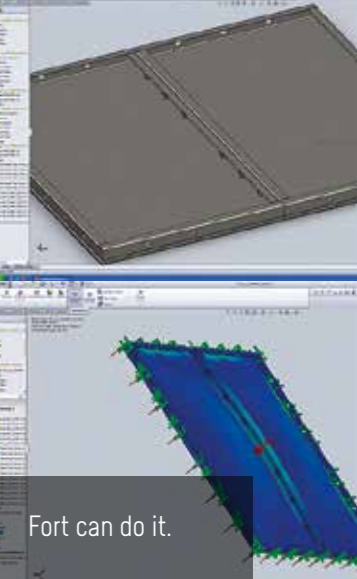
We can make contemporary or architect designs.



Listed building? No problems, we can replicate and install in any Heritage building.



Any shape you like...



Fort can do it.

Fort Engineering. Creating your success.



Stylish, elegant, practical and extremely strong, our doors and windows will enhance and protect any home.



Our patio doors, not only fabulous but amazingly efficient.



Our commercial fire doors look stunning as well.



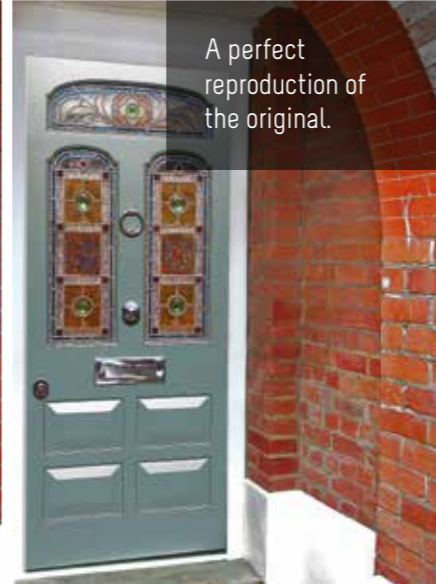
Make a home as beautiful & efficient outside as inside.



Gates can also be made secure.



Non square glazing? No problem.



A perfect reproduction of the original.



Fort Doors, designed to complement any residence.



Sleek, precise and truly dazzling.



A home doesn't have to look like a fortress to be secure.

**FROM DESIGN
TO DELIVERY.**

THE FORT
MANUFACTURING
PROCESS EXPLAINED.

Our Amada AE 2510 NT turret punch and integrated software run from our CAD department, means that we can quickly and accurately punch, form, and tap sheet metal. Meticulous tolerances mean that any Fort Engineering product can be guaranteed to perform the way it should.



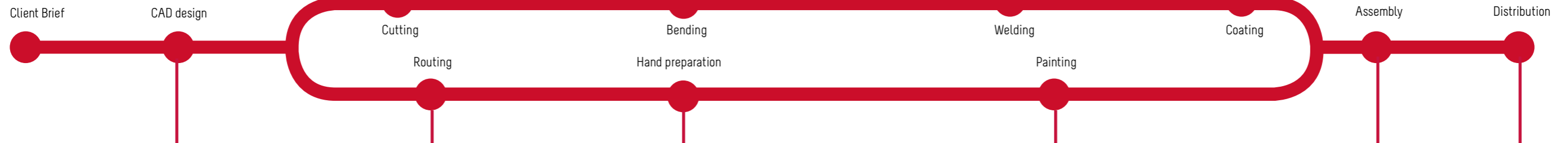
The latest Amada HFE M2 series press brake is equipped with a patented reactive beam which ensures constant parallel deflection of both the upper and lower beams. An accurate and constant bend angle along the full length of the machine is easily achieved.



Precision welding is an art, and our welders have years of experience in this field. Their job is made easier with some of our patented designs that fit the components together with a male and female positioning system. And of course, it helps that we have custom built, state of the art welding tables.



Every metal component of our products is treated to the same high standard as every other. Even though the internals won't see the light of day, they're still a vital link in the chain and will receive our greatest care.



We dedicate an account manager to you and your company. Once you have interest from a client and some basic pieces of information: size, colour material and security level, they will be able to provide you with a factory price. If the project requires more information or architectural drawings then you will work with one of our engineers.



The Weeke Vantage 43m in our wood shop is used for 3D machining of our door profiles, mouldings and carvings. Using dedicated software, our CAD department is able to create any design with optimum precision, along with our standard range of over 200 styles.



To create or recreate a masterpiece it's essential to combine hi-tech machinery like ours, with old fashioned skilled craftsmanship.



Our huge spray booths are purpose built in order to give our painters the room to move around their work with ease. And of course, this makes their job of producing a 100% perfect finish that little bit easier.



Naturally, assembly is a key area for getting all the components together and making sure that the finished product is 100% perfect. Our skilled craftsmen will test and re-test your products at this point to make sure we keep our perfect track record - we always strive for perfection.



Once each product has gone through our vigorous compliance and quality checks, we'll package to your preference, then load into your container for worldwide sales, or onto your vehicle for domestic markets.