Smartech Facade Garage Doors
At Smartech we understand it's not about garage doors. That's why our garage doors blend with your home.
Now in a kit-format for serious savings
Smartech
Phelan House by Amores
www.amores.com.au
Smartech™

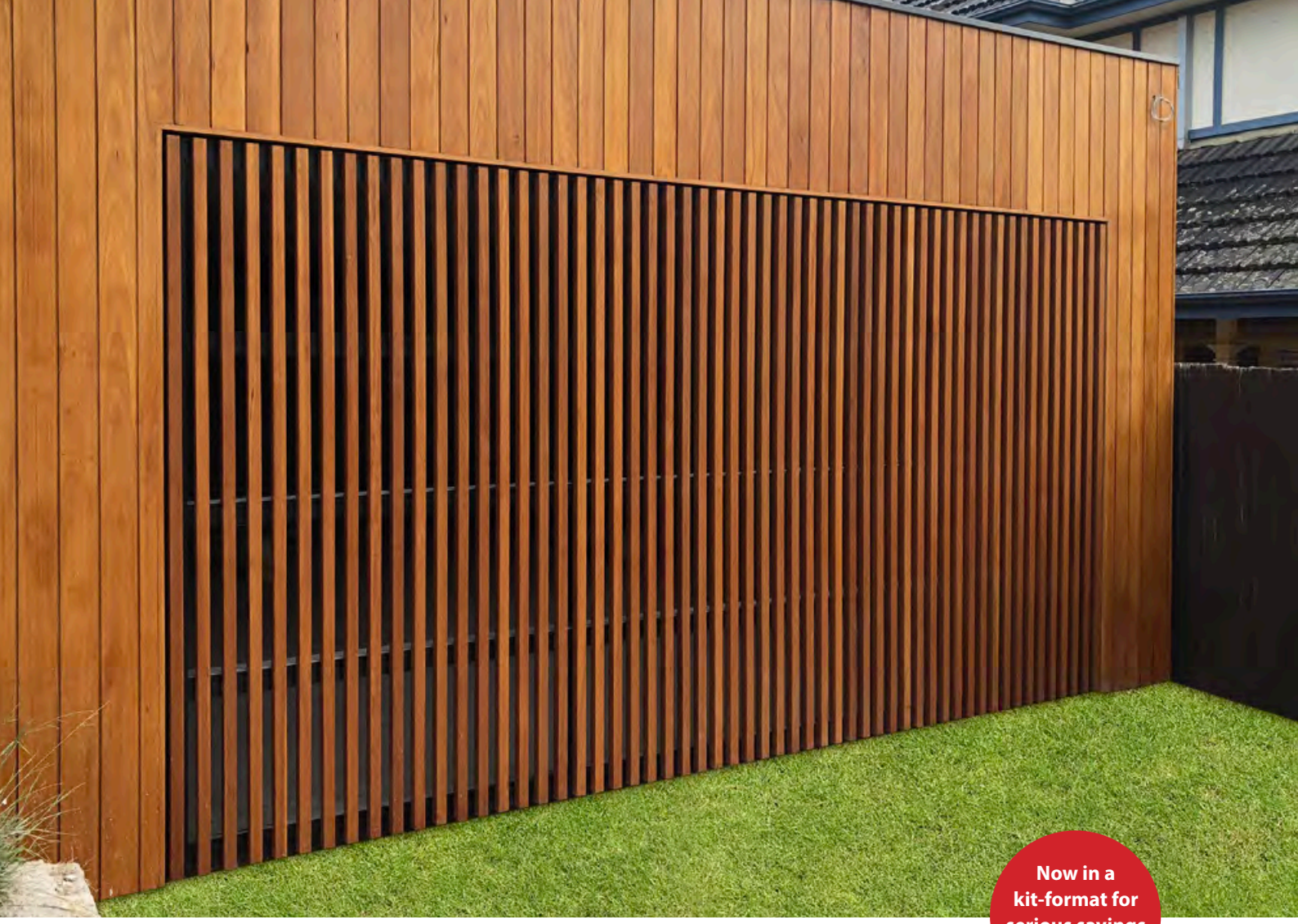
Welcome to Smartech

We make motorised window, door and wall systems that open vertically. Elegant and strong, our systems can be customised to open up spaces that feel just right for you.

The Most Architectural Garage Door Just Got More Affordable

Imagine… as you turn into your driveway you view with pleasure one of the most prominent features of your cherished home opening before you, the Facade Garage Door. Traditionally a necessary eyesore, the door now compliments your home beautifully. Blending in with the cladding of your choice, they now open with a seamless welcome.

Meet Smartech's latest edition to our range of innovative and highly functional products: the Facade Garage Door. This exciting new development is a first for the Australian housing market, now available in a 'flat-pack' kit form. This means that the costs are reduced, bringing the most architectural garage door to more people.



Now in a kit-format for serious savings

Smartech

Customised Cladding

Smartech customises the design of the frame to suit different cladding options. This maximizes flexibility and possibilities for the design of the entire building.

The decorative cladding industry has introduced many new, innovative finishes for buildings. People love the latest timbers or composite timbers, either as boards, battens or slats. There is imitation stone cladding for a natural look. Other options include fibre cement, aluminium, metal, imitation brick and ceramic, to name a few.

With the new Smartech Facade Garage Door suitable to take cladding weights up to an unprecedented 400kg there is definitely a cladding that will satisfy your unique needs.
You can even use hardwood!

Note: Smartech do not supply and install the cladding. The builder or project manager must take responsibility for the supply and installation of the cladding on site.

Satisfying your unique design needs

Knockdown Kit

Years of evolution have culminated in the Smartech Facade Garage Door. It is designed for complete ease of assembly, with no welding involved.

The Smartech Facade Garage Door is a knockdown kit. It ships as a flat pack, thereby greatly reducing handling and transport costs and also saving storage space.

Our evolution – your savings

Flush Finish

As you can see from our images, flush finish means the surface of your garage door and the wall surrounding it are on the same plane. We have designed the door to finish flush, using our proprietary flush finish door jambs which are L shaped and extruded from structural grade alloy.

Therefore the Facade Garage Door can be readily incorporated into the building facade (or fascia) or feature wall that faces the street.

Designed for Now and for the Future

Being in the entire building envelope game – we are one of the few garage door manufacturers to understand sustainability.
In the near future, Australian residential buildings will need to adhere to more stringent regulations. Smartech Doors are ready!

Currently AS4505 sets out the requirements for garage doors in cyclonic areas only, but it (and AS4055) is being amended to cover all areas from N1 to C4.
The Facade Garage Door has already been tested and certified to AS4505 so it can be fitted anywhere.

Flush is smart and we deliver it

Made to Order

Smartech Facade Garage Doors are made to order for you. Specify size, colour, cladding material and the type of door, i.e., Tilt or Folding. You can download Technical Datasheets to assist you with your choice at **smartechdoorsystems.com.au/portal**

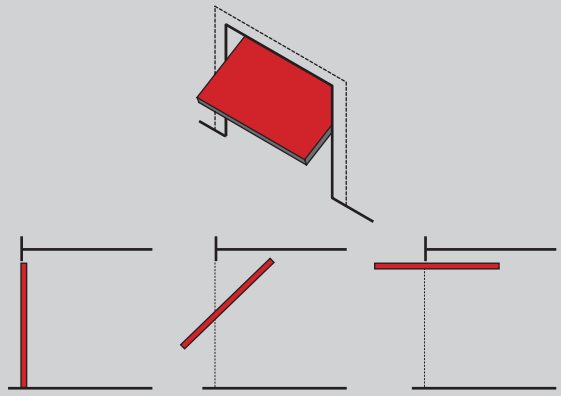
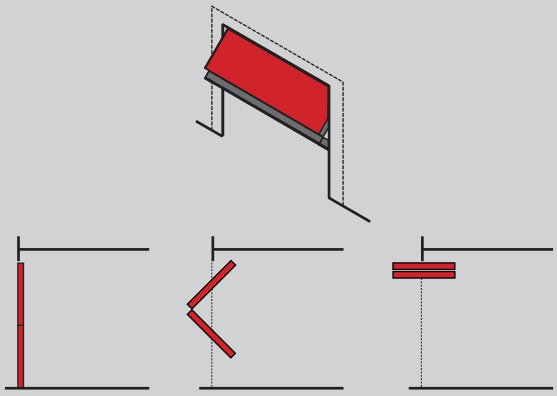
Standard Sizes (for custom sizes contact Smartech)

Tilt	SR100 Tilt	SR150 Tilt
Opening Height	2400 and 2700mm	2400 and 2700mm
Opening Width	2400 to 5600mm	5600 to 7500mm
Cladding Weight	up to 400kgs	

Folding	SR100 Folding	SR150 Folding
Opening Height	2400 to 3000mm	2500 to 3000mm
Opening Width	2400 to 5700mm	5700 to 7400mm
Cladding Weight	up to 400kgs	

Note: These sizes apply to the standard range, SLE frame type, clad with 19t Blackbutt boards, N1 Wind Classification. To determine drive through clearance height for a given opening height refer to Technical Datasheets downloadable at **smartechdoorsystems.com.au/portal**

Operational Diagram

Facade Garage Door – Tilt	Facade Garage Door – Folding
	
The door (in red) extends outside when opened.	The door (in red) folds up with reduced extension inside and outside.
With a Facade Tilt Garage Door, there is a need for enough clearance to allow for swing space in front of the door. This door design is useful where the garage is set back from the property line.	The Facade Folding Garage Door swings in so there is need for enough clearance directly behind the door. It folds up so needs more head height than the Tilt version.

Motorised or Manual

Although the Smartech Facade Garage Door can be supplied hand operated, most of our garage doors are motorised and remote controlled for ease of use and convenience. The door comes standard with a Merlin MJ3800 operator kit, with optional PE safety beam, battery backup and manual release. It includes soft start/stop, learned memory technology and sensitivity adjustment on closing. These features ensure silent operation and prevent accidents in the entrapment zone.

The motor is positioned at the top of the tracks to keep the garage looking clean, while the durable full chain drive system is completely hidden by brush seals.

Smooth, smooth operation

Motorised for Modern Projects

Consistent and Smooth Operation

Smartech Facade Garage Doors are perfectly counterweight balanced by Smartech's proprietary ***Balanced Weight System™***, providing effortless and long-lasting operation.

Every component is carefully designed and materials deliberately chosen to ensure there is no compromise between performance and durability.

Luxury look and operation

Concealed Design

Weight covers are designed to enclose the counterweights out of harm's way and provide a tidy aesthetic finish. Covers will wrap around, extending from the track and returning to the wall.

Colour of Your Choice

The Smartech Facade Garage Door is supplied in a quality assured polyester powder coat finish. The frame comes in a Mannex Black powdercoat finish as standard, designed to cleverly hide surface defects to provide an interesting tactile surface. Other colours or mill finish are available upon request*.

*For non-standard powdercoat colours, additional charges apply.

Your Project
Your Colour Choice

Proprietary Aluminium Extrusions

The exclusive range of Smartech aluminium extrusions, extruded from Structural grade aluminium, is used in framing and sealing, providing strength and durability.

Stainless Steel Components

All fittings, including link arms, drive ramps, link arm pins, connectors, pulley saddle pins, hinges, circlips, washers and fasteners are stainless steel.

Comprehensive Sealing System

The Smartech Facade Garage Door features the Smartech dual acoustic sealing system to seal the gap between track and door and flexes as the door opens. This is complemented with an additional nylon brush seal that seals the gap between the door and wall. The gap at the head of the door can be sealed by the Smartech lintel extrusion. As the door closes against the floor a bulb seal fitted under the door, compresses down and seals the gap.

Compliance to AS3959 BAL 12.5- BAL 40 is available in bush fire prone areas. Please note that any timber cladding used must be bushfire resisting timber in accordance with AS3959.

Beautiful on the outside and inside

Optional Accessories

Strip Lighting

As an optional extra the door can feature strip lighting built into its frame transoms. Illuminating when the door is open, strip lighting provides a bright and inviting entrance for the vehicle and its passengers.

Internal Insulation

As garages today can be used as habitable spaces, our luxurious door is designed so that the internal side can be insulated using 50mm thick polystyrene panelling. A smooth flat signboard is used to line the internal face of the door so the finish is neat inside and out.

Smartech Facade Garage Door requires side room and headroom internally to accommodate the counterweight system, pulley head, and motor if included. Refer to the product technical details on the opposite page.

An entrance that Welcomes

So luxurious you'll want to live there

Technical Details

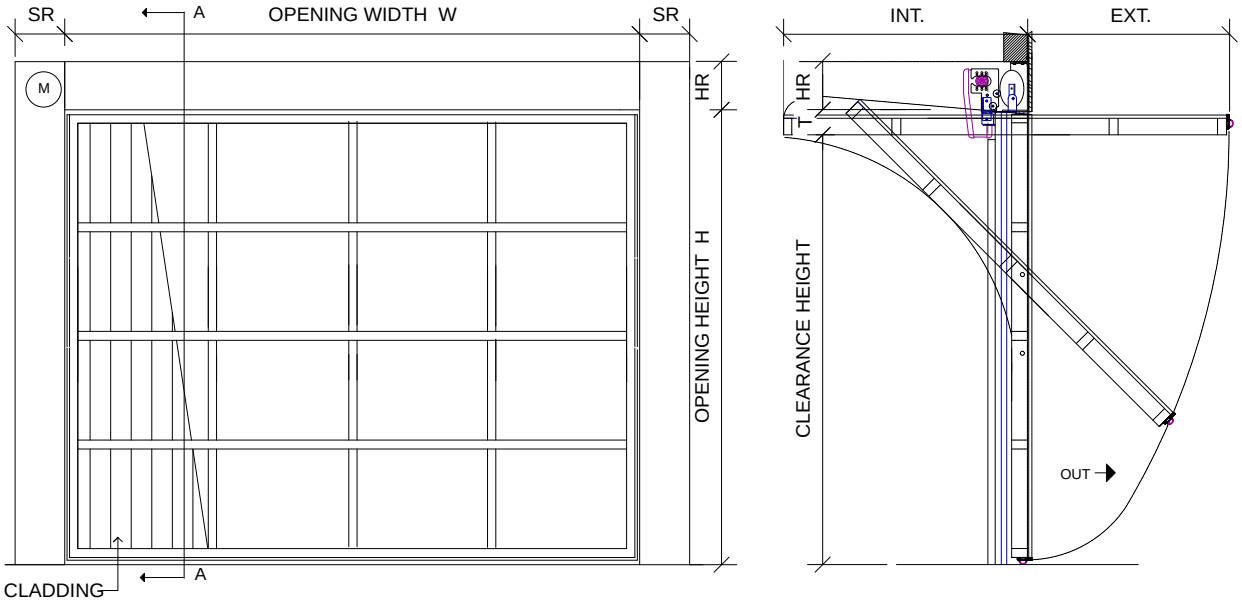
Access technical details on the Smartech website
Technical Datasheets: smartechdoorsystems.com.au/portal
Specification Sheets: smartechdoorsystems.com.au/portal

The Smartech Facade Garage Door fits flush to the front and fully within the opening, so it all starts with the garage door opening.

If you're designing your new garage or want to fit a Facade Garage Door to an existing opening, our Technical Datasheet INST 010 is the place to start. We have a series of Technical Datasheets to guide you through the process.

The door requires a working side room (SR) and head room (HR) under the ceiling. So to achieve a 2400mm doorway height, the ceiling height must be at least 2700mm high. The door will open overhead within the opening, so the door thickness (T) is to be deducted from the opening height (H) to arrive at the opening clearance height. In most constructions, the clearance height is most important.

Operational Diagram Section View – Facade Tilt Garage Door



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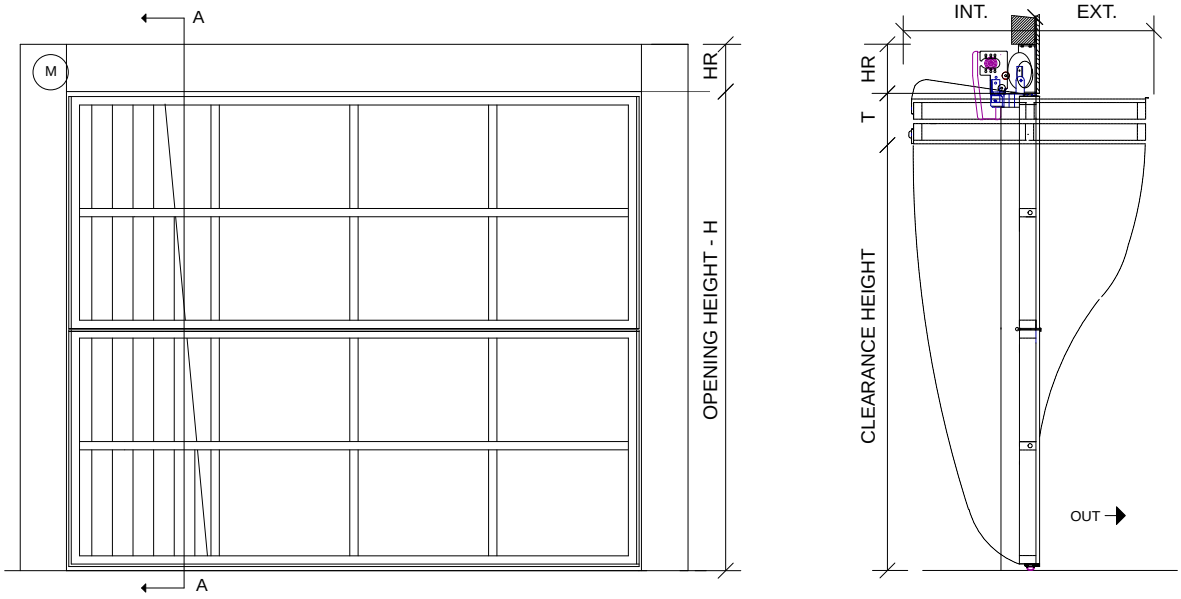
Operational Diagram Section View – Facade Folding Garage Door



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What is the process to obtain a new Smartech Facade Garage Door?

1

Determine the Size of the Opening

The door requires working side room and headroom inside the opening ranging from 180mm to 300mm, depending on the weight of the door. For specifics refer to the Technical Datasheets at smartechdoorsystems.com.au/portal

2

Choose Cladding

Smartech customises the design of the frame to suit different cladding options. Smartech Facade Garage Doors are suitable to take cladding weights up to 400kg. Note that Smartech does not supply and install the cladding.

3

Choose Type of Door

There are two types of door to choose from: Tilt, which requires more swing space in front of the door, or Folding, where the door folds up with reduced extension inside and outside. See page 3 for diagrams.

4

Choose Finishing Surface

Choose Flush Finish if you prefer the surface of your garage door and the surrounding wall to be on the same plane. Or choose Standard Finish if you'd like the surface of your door and wall to be on different planes.

5

Choose Mode of Operation

Smartech doors are supplied with either motorised or manual operation. Most of our garage doors are motorised and remote controlled for ease of use and convenience, however, you can choose manual operation.

6

Choose Colour

The frame is supplied in a Mannex Black powdercoat finish as standard. Other colours or mill finish are available upon request, however additional charges apply.

7

Choose accessories

- **Strip Lighting** is built into its frame transoms, which illuminate when the door is open.
- **Internal Insulation** can be applied to the internal side by using 50mm thick polystyrene paneling. A signboard is used to line the internal face of the door.

8

Contact your Smartech Distributor

Contact the Smartech distributor in your area with your choices. If there is none in your area, simply contact Smartech directly and we'll help you out.

Experience the other Smartech solutions

As we are in the business of the entire building envelope, there is a Smartech solution for almost any opening you can imagine. To check the entire collection please visit smartechdoorsystems.com.au

The system in the picture above: Smartech Folding Doors

Motorised doors, windows and walls.

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Smartech™