

HOW TO CHOOSE THE RIGHT HOWICK FRAMING SYSTEM

Standard Howick Framing Systems



Are you considering manufacturing light gauge steel framing? Are you interested in taking the next step and learning how to make that happen? Or maybe you already own a Howick machine and you're looking to extend your capabilities?

This guide gives a brief summary of the different machines that we provide and what they can do for you, which will help inform your decisions.

From the workhorses FRAMA™ 3200 and 5600 – great for all standard framing needs – to specialised machines like the X-TENDA™ 3600 (extendable frames for infill spaces) and the FRAMA™ 6800 (floor joist system) that are highly optimised to produce specific components, you will find we have a system available that meets most framing component manufacturing needs.

If you are thinking of something out of the ordinary, we also provide a range of customised options for our standard machines; we have even designed and manufactured new innovations to help solve specific challenges. Just talk to us about what you are trying to do.

HERE IS A DETAILED OVERVIEW OF OUR SYSTEMS



FRAMA™ 3200

The go-to Howick workhorse for standard framing requirements, the 3200 is a dedicated frame and truss component manufacturing machine. Producing up to 900m/2952ft of framing per hour, it is designed for a gauge range of 0.75 to 1.15mm/22 to 18 gauge, making it ideal for many residential and commercial applications. The machine features Howick's unique end-bearing stud detail for production of load bearing frames. The Howick swage and dimple design allows for smooth joints, so wall linings can sit flush to the framing.



FRAMA™ 4200

With a bigger footprint than the FRAMA™ 3200, this system is a dedicated truss machine using unique, innovative rivet jointing technology to produce a lightweight cost-effective truss solution. Its rivet system offers superior strength compared to screws, plus the ability to put multiple components into a single joint. The single section truss profile fits standard truss brackets with the hollow rivet design allowing for bolted connection detail. Its production rate is up to 700m/2297ft per hour with a gauge range of 0.75 to 0.95mm/22 to 20 gauge.



FRAMA™ 5600

The FRAMA™ 5600 manufactures heavier and wider sectioned frame and trusses. It forms material of up to 1.6mm/16 gauge in thickness. Producing up to 800m/2620ft of framing per hour, it is designed for a gauge range of 0.95 to 1.55mm/20 to 16 gauge, making it ideal for many residential and commercial applications. Like the 3200, the machine features Howick's unique end-bearing stud detail for load bearing frames. It also has the option of up to 2 additional custom tools for increased flexibility.



FRAMA™ 6800

Looking for a dedicated floor joist cassette manufacturing option? The FRAMA™ 6800 will give you increased production capacity and improved installation efficiency over standard lattice flooring systems. This machine features our unique swaged service hole to make ducting and plumbing easy. The Howick swage and tab design allows for smooth joints, so the floor lining is able to sit flush to the joists. The floor cassettes can be built as modular units or easily assembled piece by piece in existing structures. It offers a gauge range of 2.0 to 2.5mm (14 to 13 gauge) and produces up to 600m/968ft of floor joists per hour.



FRAMA™ 7600

For ultimate flexibility, the Howick FRAMA™ 7600 is a convertible profile frame and truss system. With our unique end-bearing stud detail for true load-bearing frames, plus our swage and dimple details for smooth intersections, this machine is convertible to up to 5 different framing sizes for a range of construction needs. Produce a single profile size and add additional tooling for alternative profile options as needed, without the cost and complication of a multiple profile roll-former.

Our convertible design overcomes many of the traditional compromises that go with making multiple sections with adjustable tooling. It is compact too, which reduces wastage and improves accuracy. As well as the potential to add tooling for additional widths, if your production requirements increase you can simply add another base unit and use your existing tooling for multiple line runs. It offers a gauge range of 0.95 to 1.55mm (20 to 16 gauge), and a production speed of up to 800m/2624ft per hour.



FRAMA™ 7800

The big brother to them all, the FRAMA™ 7800 is truly multi-purpose. It allows you to manufacture frames, trusses, panels or floor joists – with sections from 150 to 300mm (6" to 12"). With all the benefits outlined above for the FRAMA™ 7600, (this one is also convertible for up to 5 profile widths) it is available in 3 different configurations: for floor joist production; framing production; or customised with frame and joist tooling. The system offers a gauge range of 1.85 to 2.5mm (16 to 13 gauge) and outputs up to 750m or 2,460' per hour.

X-TENDA™ 3600



New in 2020, the X-TENDA™ 3600 saves 50% or more of the time it normally takes to frame interior spaces with traditional framing methods. It produces telescopic cold formed steel framing for retrofit or infill interior walls and ceilings. The components produced are pre-assembled, compressed for easy manoeuvre, then quickly expanded and adjusted on site for a precise fit every time.

Strong, lightweight and retractable frames are easy to move around onsite, even in tight spaces. Once in place, panels can be extended in any direction to fit the most uneven spaces. Any door or windows in the frames remain completely square, and there is no need for re-work, and zero wastage.



DEDICATED COIL-LOADING SYSTEM

Down-time between coil changes is surprisingly one of the biggest inefficiencies for many framing plants. That is why our dedicated coil-loader has been designed to make changing coils quicker, easier and safer. Using this system, you change a coil in just 3 minutes instead of the 15 minutes it takes without - an increase in production efficiency of over 5% over a 7-hour shift. Available in 1.5t and 3.0t decoiler configurations, this option can be added to any existing Howick machine.

PRODUCT COMPARISON

FRAMA™ 3200	2.8m x 0.62m x 1.4m Dimensions L x W x H	1800kg Weight	4.0kW Drive Motor Power	4.0kW Hydraulic Power	- Hydraulic Cooler	9 Forming Stages	30m/min Line Speed
FRAMA™ 4200	3.7m x 0.75m x 1.5m Dimensions L x W x H	2000kg Weight	4.0kW Drive Motor Power	4.0kW Hydraulic Power	- Hydraulic Cooler	10 Forming Stages	30m/min Line Speed
FRAMA™ 5600	3.4m x 0.75m x 1.4m Dimensions L x W x H	2400kg Weight	7.5kW Drive Motor Power	5.5kW Hydraulic Power	- Hydraulic Cooler	9 Forming Stages	30m/min Line Speed
FRAMA™ 6800	4.5m x 1.0m x 1.65m Dimensions L x W x H	5000kg Weight	11kW Drive Motor Power	5.5kW Hydraulic Power	Optional Hydraulic Cooler	10 Forming Stages	20m/min Line Speed
X-TENDA™ 3600	4.4m x 1.2m x 1.3m Dimensions L x W x H	2000kg Weight	4.0 Drive Motor Power	4.0 Hydraulic Power	- Hydraulic Cooler	- Forming Stages	30m/min Line Speed
FRAMA™ 7600	4.95m x 0.9m x 1.4m Dimensions L x W x H	5500kg Weight	7.5kW Drive Motor Power	5.5kW Hydraulic Power	Optional Hydraulic Cooler	13 Forming Stages	24m/min Line Speed
FRAMA™ 7800	7.4m x 1.2m x 1.8m Dimensions L x W x H	8400kg Weight	15kW Drive Motor Power	5.5kW Hydraulic Power	Optional Hydraulic Cooler	13 Forming Stages	21m/min Line Speed

Please note, Howick Ltd reserves the right to make changes to the machine specifications at any time, without notice.



SHAPING THE WORLD OF CONSTRUCTION

NEED HELP?

For any questions or queries please contact:

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To find out more about setting up construction manufacturing with light gauge steel framing automation, [click here](#) to download our Machine Buyer Guide or scan the QR code.