

SUPERA[®]

  **XXL FULL PROVIDER**



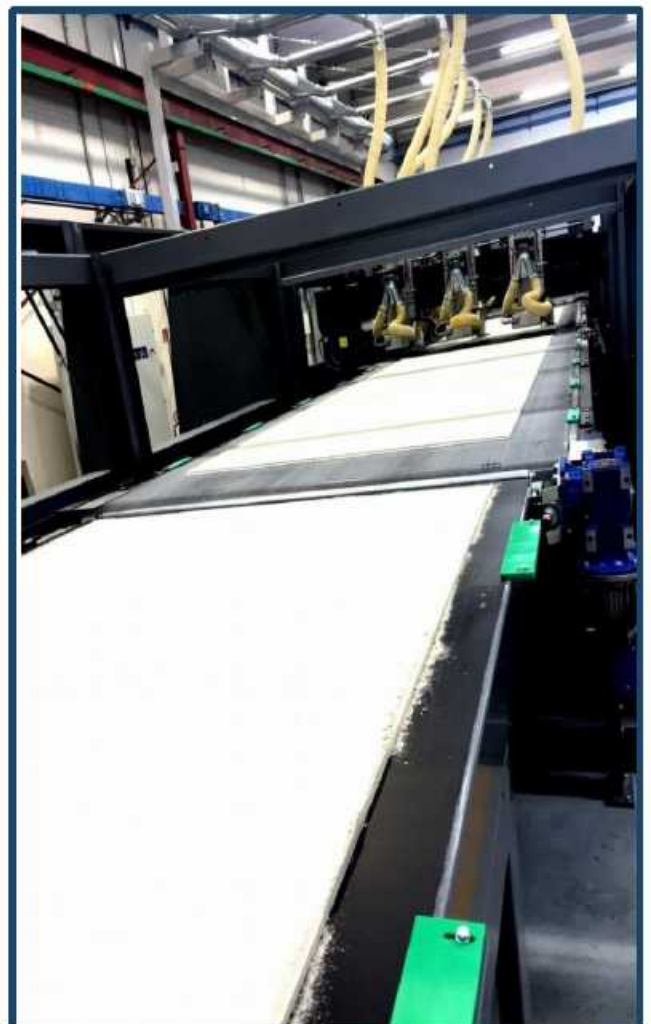
BEYOND THE LIMITS OF EXISTING TECHNOLOGIES

GUARANTEED RESULTS



THE INNOVATIVE MODULAR LINE FOR LARGE CERAMIC SLABS

- UP TO 30% REDUCTION IN POWER CONSUMPTION WITH THE START&STOP
- GREATER PRODUCTION
- TOTAL ELIMINATION OF SCRAPS
- NEW SLAB FORMING DEVICE
- IMPROVED TILE PLANARITY
- PRESSING UP TO 500 KG/CM²
- NO INTERNAL TENSION
- CONTAINMENT SYSTEM
- MULTILAYER LOADING



ABSOLUTE FREEDOM AND FLEXIBILITY

- ◆ Production of large ceramic slabs measuring 1200x3600 mm, 1600x3600 mm, 1600x4800 mm
- ◆ Cutting of green slabs into various submultiples (600x1200 mm, 1200x1200 mm, 1200x2400 mm, ...)
- ◆ Thickness from 5 to 25 mm for any type of application
- ◆ Optimized forming cycle and productivity up to 13,000 Sqm/day
- ◆ Patents deposited powder containment system. and possibility of multilayer loading
- ◆ Feeding system with possibility of multilayer loading
- ◆ Deposition of flakes and chips and powders, inline digital decoration
- ◆ Rapid size changeover and the management of up to 10 structures simultaneously
- ◆ Great versatility at press outlet with inline green cutting systems

ISO-CONCEPT “Tensionless®” NO DEFECTS PRODUCTS

- ◆ Iso-thick: uniform thickness all over the slab surface
- ◆ Iso-press: uniform pressing with equal distribution of strength
- ◆ Iso-plane: uniform planarity

GUARANTEED RESULTS & COMPETITIVE ADVANTAGES

- ◆ Constant density ensuring ZERO scraps and ZERO trapeze effect
- ◆ Absolute flatness and no internal tension in the slab
- ◆ Up to 30% reduction in power consumption with the Start&Stop system: 0,19 kWh/m²
- ◆ Absolute quality control thanks to Genius Box®
- ◆ Extreme production process and materials storage flexibility
- ◆ NO SCRAPS: waste limited – side cut max 5÷7 mm
- ◆ Uniform thickness all over the slab surface: standard deviation: <0.2 mm
- ◆ Uniform density all over the slab surface: standard deviation: <0.2 kg/dm³
- ◆ Uniform planarity: <0.2 mm
- ◆ High tensile strength: >8 kg/cm²
- ◆ High Specific pressure: up to 500 kg/cm²

TECHNICAL FEATURES

Type	25.000 t	36.000 t	48.000 t
Max. nominal Size	1200x3600	1600x3600	1600x4800
Max. Pressing Force	25.000 tons	36.000 tons	48.000 tons
Max. utilities circuits pressure	200 bar	200 bar	200 bar
Max. circuit pressure	500 bar	500 bar	500 bar
Max. bench-crossbeam stroke	65 mm	65 mm	65 mm
Max. soft powder thickness	65 mm	65 mm	65 mm
Number of press strokes per cycle	1-2-3-4	1-2-3-4	1-2-3-4
Number of cycle/min up to*	2	2	2
Main installed power	N°3-5* module x 55 kW	N°3-5* module x 55 kW	N°5 module x 55 kW
Specific Power consumption	0,19 kWh/ m ²	0,19 kWh/ m ²	0,19 kWh/ m ²
Net weight	280 t	320 t	370 t
Max. loading width	1330 mm	1780 mm	1780 mm

* with punch changing and/or size changing

**Depending on the thickness

SIZES

Type	Nominal basic size		Thickness	SUBFORMATS					
	t	mm		mm	mm x mm				
25.000	1200	3600	5 - 25	N°2 1200x1800	N°4 600x1800	N°3 1200x1200	N°6 600x1200	N°12 600x600	N°9 400x1200
36.000	1600	3600	5 - 25	N°4 800x1800	N°16 800x800	N°3 1200x1200*		N°12 400x1200	N°8 400x1800
48.000	1600	4800	5 - 25	N°2 1600x2400	N°2 1200x2400*	N°12 800x800		N°4 800x2400	N°16 400x1200

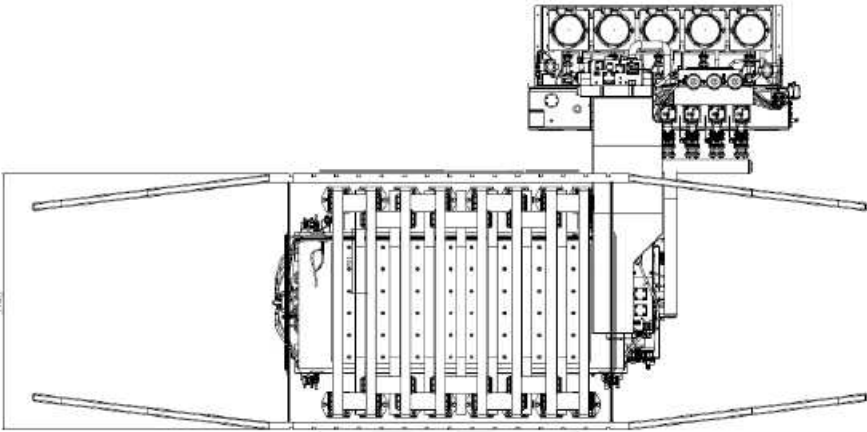
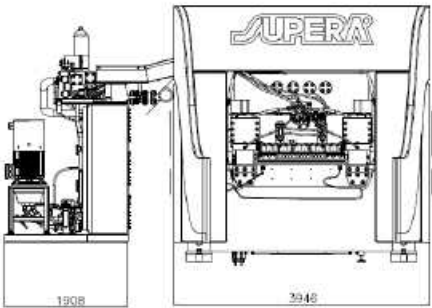
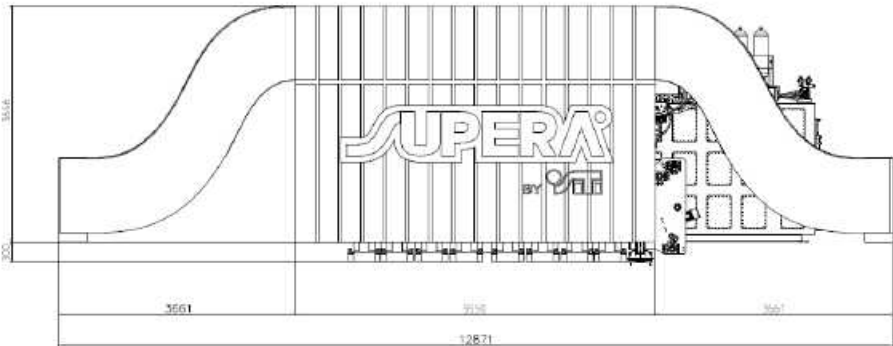
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PRODUCTIVITY

Type	Product size	Daily production	Working Specific Pressure
t	mm x mm	m ² /gg	Kg/cm ²
25.000	1200x3600	Up to 13.000*	500
36.000	1600x3600	Up to 13.000*	500
48.000	1600x4800	Up to 13.000*	500

* Depending on the thickness

Layout of Supera® 25.000 t



START&STOP

NEW GENERATION HYDRAULIC POWER STATION

- ◆ New generation of hydraulic power generator with electronic motor control by inverter
- ◆ Power on demand
- ◆ Zero power consumption during cycle phases that not require Hydraulic power
- ◆ Modular System composed by unit of 55 kW of installed power
- ◆ Each unit can provide 135 ltrs/min at 420 bar of pressure
- ◆ Complete control of oil flow-rate and oil pressure
- ◆ Precise control in every moment of oil pressure during 1st pressing phase
- ◆ Less Component, Less Maintenance, Less space spare parts warehouse



UNICO

THE SUPERVISOR SYSTEM WITH A REMOTE SUPPORT SERVICE

Supera is equipped with its own supervision system, which uses a 21" touchscreen monitor, complete with a **direct software-operator interface** allowing for **complete diagnostics** of the state of the system.

Is able to **centralize the performance analysis** of all SITI plants for the production of large sizes in operation in the factory.

On request it is also able to **integrate with the remote support service** to enable SITI technicians to carry out work remotely and **reduce response time**



GREEN CUTTING MACHINE

“XLGreen Cut” by ANCORA (part of a SITI-B&T Group Company)



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