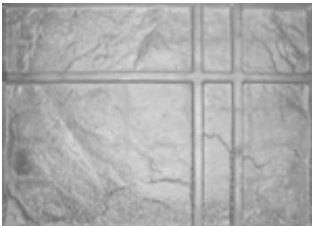


1.1 FLOOR & WALL TILES PRODUCTION KIT

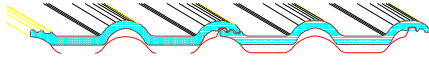
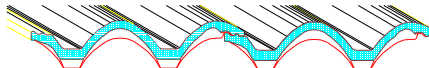
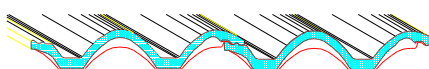
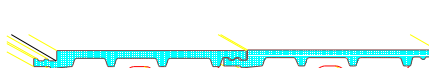
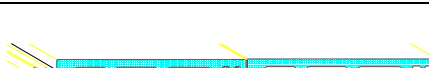
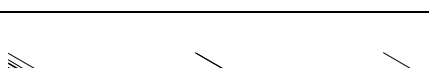
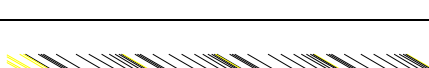
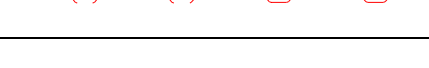
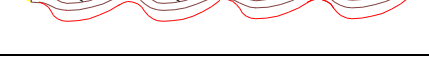
These prices are for the additional extrusion box and/or special cutting equipment for different floor/wall tiles production **to be made on the same machine for roofing tiles**.

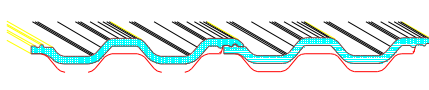
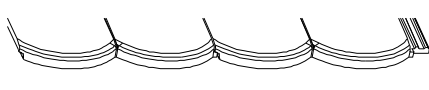
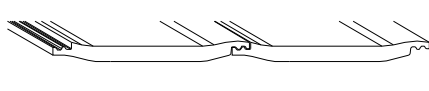
- The **BRICKS** products, with different surface finishing are produced using sand, cement, pigment and water. The mixed material is fed into an extrusion box that shapes the concrete over a continuous bed of aluminium pallets in the same way normal concrete roof tiles are produced. Close attention has to be paid to use the right raw materials.
- Due to the extrusion process both sides of a **DECOR & STONE** for floor and siding tile have a nice appearance. One surface has the mould profile/pattern while the opposite surface is perfectly smooth. Tile thickness can be adjusted from 12 up to 20 mm.

DECOR TILE 330	DECOR TILE 420
wall/floor cladding	wall/floor cladding
	
	
	
330x330 mm	420x330 mm

ROOF TILES & PALLETS LIST WITH WEIGHT

DIAMOND

PROFILE	ITEM	NAME	DIMENSION	WEIGHT KG PALLETS	WEIGHT KG ROOF TILES
	G1	DOUBLE ROMAN	420 x 330	2,60	4,00
	G2	VENITIAN	420 x 330	3,00	4,80
	G2.1	VENITIAN 2	420 x 330	3,10	4,20
	G3	FLAT	420 x 330	3,10	5,00
	G3.1	FLAT SELF STACKING L	420 x 330	3,30	5,00
	G3.3	FLAT LEADING EDGE	420 x 330	3,50	4,70
	G4	MISSION	420 x 330	2,40	4,20
	G5	BOLD ROLL	420 x 330	2,60	4,00
	G6	SEA WAVE 1	420 x 330	2,50	4,50
	G7	SEA WAVE 2	420 x 330	3,00	4,50
	G8	SEA WAVE 5	420 x 330	2,60	3,90
	G9.1	SPANISH 2	420 x 336.6	3,60	4,50
	G10	ROUND COPPO	420 x 330	3,90	4,70

	G12	FRENCH	420 x 330	3,00	4,50
	G13	BIBER	420 x 330	3,40	4,50
	G15	HORIZON	420 x 330	3,30	4,40
	G16	SANIBEL	432 x 337	3,20	5,00
	G20	TRADICAO	420 x 330	3,00	4,70

DELIVERY: On wooden pallets with plastic packing.
(For orders up to 1.500 there is a surcharge of Euro 1.500 due to the setting- up of the casting unit for all profiles except Double Roman/Uno and Venetian/Uno)

SURFACE TREATMENT: By sodium hypochlorite, EXCLUDED.

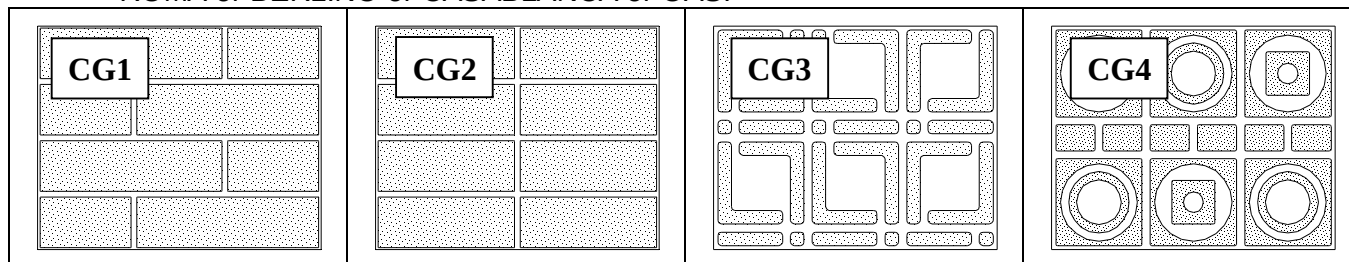
CUSTOMER "LOGO": On request for minimum 1.500 pallets. (one side only)

ALUMINIUM PALLETS PRICE VARIATION CLAUSE: Price will be adjusted on 50% of the price of the mould based on variation of the aluminium alloy at London Metal Exchange (FT) from the 20/12/2006 and the date of the purchasing of the aluminium for manufacturing the pallets that will be notified in advance to the customer. Price variation clause will not be applied within a tolerance of +/- 5% of aluminium alloy value. -----> **EXAMPLE:** Bold Roll aluminium pallet price is 14,30 Euro based on aluminium alloy value at 20/12/2006. If the aluminium alloy value at the purchasing date is increased of 7% the new price of aluminium pallet is as per the following formula: $\text{New Price} = 14,3 + (7\% - 5\%) \times (14,3 / 2) = 14,3 + 0,14 = 14,44 \text{ Euro}$

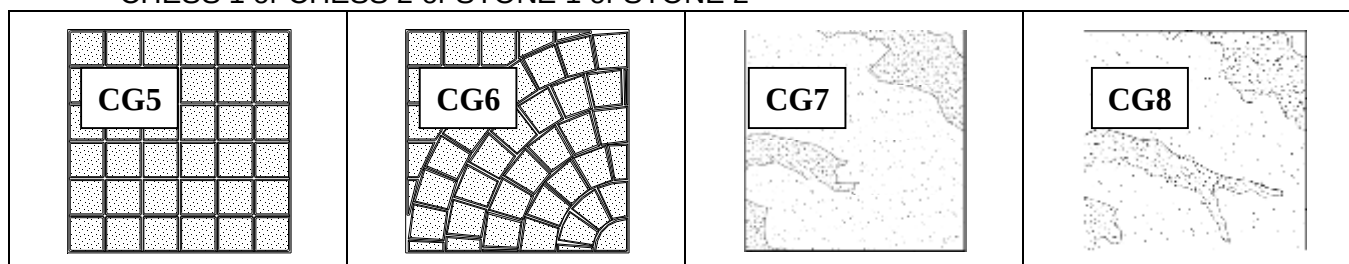
Item	Description
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B05.2	DECOR TILES EXTRUSION BOX for VORTEX UNO extruder extrusion head complete of drive, shaping tools and stirrer suitable for UNO system manual cutting system for UNO suitable for the selected profile
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CG1-4	ALUMINIUM PALLETS FOR DECOR TILES¹ (420 x 330 mm) ROMA or BERLINO or CASABLANCA or OASI
-------	--



CG5-8	ALUMINIUM PALLETS FOR DECOR TILES (330 x 330 mm) CHESS 1 or CHESS 2 or STONE 1 or STONE 2
-------	---



¹ Whole pallets are pressure die-cast in AlSi11Cu2 alloy (EURONORM EN AC 46100)

CG1 - ROMA (420x330mm)



Roma Aluminum pallet

NOTE: I have not found the tile sample, you can understand the final design from the pallet picture.

NOTE: CG2 profile is similar to CG1.

CG3 and CG4 - CASABLANCA and OASI (420x330mm)



Casablanca and Oasi tiles

CG5 - CHESS 1 and CG6 - CHESS 2 (330x330mm)



CHESS 1 and CHESS 2 tiles

CG7 - STONE 1 and CG8 - STONE 2 (330x330mm)



STONE 1 and STONE 2 Aluminum pallets

NOTE: I have not found the tiles samples, you can understand the final design from the pallets pictures.

CG9 - STONE 3 (420x330mm)



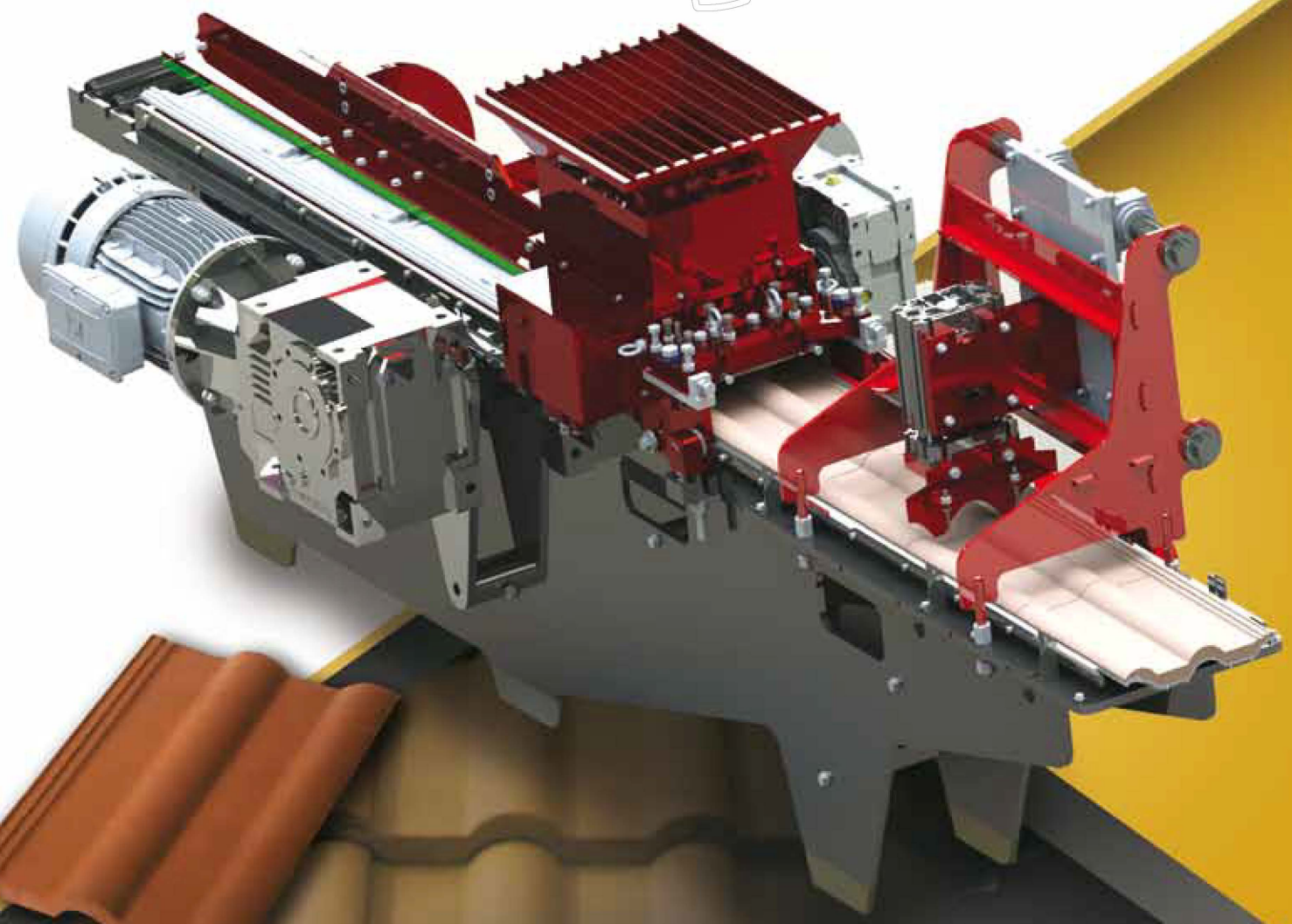
STONE 3 Tile and Aluminum pallets



NOTE: to obtain a better final effect, the tile has to be cut and installed with casual disposition.

Final effect on the left picture.

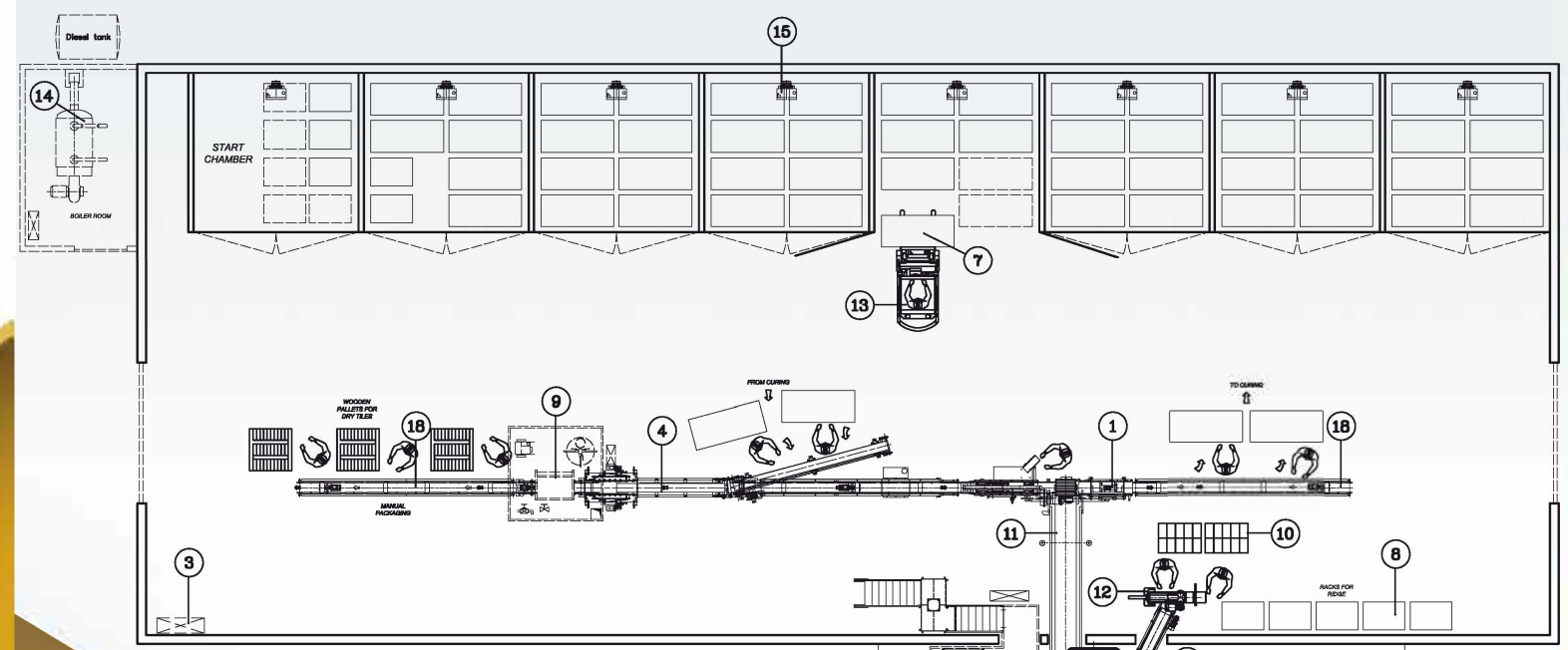
**CREATE YOUR
NEW BUSINESS
WITH US**



Quality concrete roof tiles
for **beautiful housing**

UNO 30C

for coloured **concrete ROOF & FLOOR** tile manufacture



- 18 Conveyor
- 17 Cement silo
- 16 Air compressor
- 15 Fan-heater
- 14 Boiler and pumps for heating system
- 13 Fork-lift to move racks
- 12 Mini/R for ridge manufacturing
- 11 Mix feeding conveyor for tiles
- 10 Aluminium pallets for ridges
- 9 Acrylic paint applicator - OPTIONAL
- 8 Racks for 80 ridges
- 7 Racks for 300 tiles
- 6 Sand
- 5 Mix feeding conveyor for ridges
- 4 Transport line, depalleting and oiling device
- 3 Main distribution board in the building
- 2 Automatic mixer with pivoting sand scrapper
- 1 Extruder UNO 30C

UNO 30C

**TYPICAL
LAYOUT**



Innovation and engineering
for sustainability and success



YOUR NEW
BUSINESS
STARTS HERE...

MAKE YOUR
CHOICE



UNO 5

- This is a Vortex Entry Level plant consisting of a robustly constructed machine that ensures the production of high quality concrete roof tiles. The aluminum pallets, previously separated from the dry tiles, are oiled and manually placed into the tile machine whereupon they are pushed from their rear end back through the extrusion box.
- All mechanisms are manually controlled including the hydraulic pallet pushing cylinder. A simple mixer provides the concrete that has to be produced to a high quality.
- It is a "multi-profile" machine –different tile types can be produced by it, simply by changing the extrusion head and the aluminum pallets to suit the different tile profile. Different facial tile types can also be produced on the machine.

features

MAXIMUM OUTPUT	5 tiles/minute
MINIMUM BUILDING SIZE	14 m x 12 m x 5 m high
INSTALLED POWER	~ 12 kW (mixer included)
PRODUCTION	2,000 tiles per shift

UNO 10

- The UNO 10 is an ideal solution for any organisation or entrepreneur that wants to start a new project and at the same time test the market-place using minimal capital investment.
- The semiautomatic production cycle is such that new tiles are formed on the top surface of aluminium pallets that are pushed by a hydraulic cylinder through the extruder machine. On exiting the machine the tiles are cut to length by a knife unit.
- Upgrade to conveyor line and semi-automatic mixer is possible to increase the capacity and level of automation of the line.

features

MAXIMUM OUTPUT	10 tiles/minute
MINIMUM BUILDING SIZE	16 m x 20 m x 5 m high
INSTALLED POWER	~ 26 kW (mixer included)
PRODUCTION	4,000 tiles per shift

UNO 20

- The UNO 20 has an automatic manufacturing cycle.
- This plant is an 'inline' operation that consists of a depalleter, pallet feed conveyor, pallet oiler and the tile extruder machine.
- The 'heart' of the system is an UNO 10 machine that now incorporates an alternating higher speed automated hydraulic underside pallet pushing mechanism.
- PLC control system.

features

MAXIMUM OUTPUT	20 tiles/minute
MINIMUM BUILDING SIZE	16 m x 30 m x 5 m high
INSTALLED POWER	~ 37 kW (mixer included)
PRODUCTION	8,000 tiles per shift

UNO 30C

- The UNO 30C is the NEW highest capacity plant in the VORTEX UNO range of systems. It is a robust system with a continuous propulsion unit.
- The UNO 30C extruder machine operates within an automated manufacturing line that incorporates a depalleter, pallet feed conveyor, pallet oiler.
- The advantage of this system is that the flow of concrete is a continuous one, with benefits in terms of quality and efficiency.
- The "inline" configuration can be upgraded to a fully automatic one with a complete conveyor loop.
- PLC control system.

IDEAL FOR EFFICIENCY CONSCIOUS COMPANIES FOR
USE IN HIGHLY-AUTOMATED FACTORIES

features

MAXIMUM OUTPUT	30 tiles/minute
MINIMUM BUILDING SIZE	16 m x 40 m x 5 m high
INSTALLED POWER	~ 50 kW (mixer included)
PRODUCTION	12,000 tiles per shift



uno[®]
system

