

WEHRHAHN'S 5 PLANT CONCEPTS

all featuring ZERO PROCESS WASTE SYSTEM

WEHRHAHN's advanced, modular and versatile plant systems allow investors to select the best suited plant from a choice of 5 AAC plant systems all formed by repositioning and combining the proven WEHRHAHN machines in different sequences and positions.

WEHRHAHN PLANT SYSTEMS	SMART	ecoSMART	superSMART	PLUS	ecoPLUS
capacity (m ³ /d)	300 – 1250	200 – 500	up to max. 2000	up to max. 1400	up to max. 950
(cft/d)	(10.500 – 44.000)	(7.000 – 17.500)	(up to max. 70.000)	(up to max. 50.000)	(up to max. 33.500)
cake size (m)	6,0 x 1,2 x 0,625 or 6,0 x 1,5 x 0,625	-- 4,0 x 1,5 x 0,625	-- 6,0 x 1,5 x 0,625	6,0 x 1,2 x 0,625 --	6,0 x 1,2 x 0,625 --
(ft)	(20 x 4 x 2) (20 x 5 x 2)	-- 12 (13) x 5 x 2	-- (20 x 5 x 2)	(20 x 4 x 2) --	(20 x 4 x 2) --
cake position at autoclaving	flat	flat	flat	vertical	vertical
number of tilting machines (patented)	1 x	1 x	2 x	2 x	1 x
zero system-waste process / bed remover	yes	yes	yes	yes	yes
panel production possible	yes	yes	yes	yes	yes
super smooth surface cutting	yes	yes	yes	no	no
modular system, when starting at low capacity extension to higher capacity possible	yes	yes	yes	yes	yes

Note: All Wehrhahn plants feature high-precision cutting in upright position which allows highest cutting accuracy and efficiency.

1) WEHRHAHN SMART (flat cake autoclaving)

- Capacities: 300 to 1.250 m³/day (10.500 to 44.000 cft/day)
- The choice for investors looking for small to middle-size plants without compromising on top-class quality and precision cutting.
- The choice for investors still developing their market place and to grow as the market demand grows.

Qualities of the SMART Plant:

- The cake – still flat in the mould – is 90° tilted upright by WEHRHAHN's patented universal tilting machine.
- The cake rests on a separate cutting pallet.
- The upright cake is moved forward through the cutting line and is precisely cut as well as milled to the required dimensions.
- The cut and milled cake returns to the universal tilting machine and is tilted back flat onto the autoclave grid.
- The bottom cut is removed in fresh condition for immediate recycling.
- Autoclave grids with cakes are loaded on autoclave trolleys.
- Autoclaving as a flat cake (blocks stand upright) reduces sticking.
- Palletizing:
 - palletizing can easily be arranged with fork lift and turn grab.
 - automatic palletizing is an available option.
- Panel production is an available option.

2) WEHRHAHN ecoSMART

... just another innovative variation of Wehrhahn's well proven SMART.

Difference to SMART Plant:

ecoSMART is the compact SMART feasible for the developing market place, featuring:

- shorter cake length and less autoclave diameter
- modified mould design
- less investment
- drastically reduced building length, width and height (1.800 – 2.200 m²) (19.000 – 23.500 ft²)
- capacity: 200 – 500 m³ (7.000 – 17.500 cft/day)

3) WEHRHAHN superSMART (flat cake autoclaving)

- Capacities: 1.100 – 2.000 m³/day (38.000 to 70.000 cft/day)
- Similar to SMART (flat cake)
- The choice for mature markets with demand for highest possible production capacities and at feasible investments.
- Typically equipped with green cake separator to separate prior to autoclaving

Difference to SMART Plant:

- There are two tilting machines to speed up cycle time:
 - first to enter the cutting line.
 - second to leave the cutting line.
- Automatic packing is added.



Loading machine with automatic stacking pin inserter (super SMART)

4) WEHRHAHN PLUS (vertical cake autoclaving)

- Capacities: 600 – 1.400 m³/day (21.000 to 50.000 cft/day)
- The choice for the investor of high duty production capacities.

Qualities of the PLUS Plant:

- Wehrhahn's mostly sold well-proven AAC plant.
- Economic investment for high duty production.
- The cake – still flat in the mould – is 90° tilted upright by WEHRHAHN's patented tilting machine.
- The cake rests on a separate autoclave pallet (through cutting, autoclaving, separating) and not on the mould weel.
- The upright cake is moved forward through the cutting line and is precisely cut and milled to the required dimensions.
- The cut and milled cake on the autoclave pallet continues to WEHRHAHN's patented bed remover.
- The cake is tilted flat, the bottom cut is removed in fresh condition for immediate recycling and the cake is tilted back into upright position for autoclaving.
- The WEHRHAHN PLUS facilitates sorting and palletizing as the blocks lay already horizontal.

5) WEHRHAHN ecoPLUS (vertical cake autoclaving)

- Capacities: 500 – 950 m³/day (17.500 to 33.500 cft/day)
- The choice for middle-size capacity and limited space available using the proven WEHRHAHN cutting technology.

Difference to PLUS Plant:

- The universal tilting machine is used twice (tilting into cutting and tilting to remove bottom cut).
- The upright cake is moved forward through cutting.
- The cut and milled cake returns to the universal tilting machine.
- The cake is tilted flat and the bottom cut is removed in fresh condition for immediate recycling.
- The cake is tilted back into upright position for autoclaving.

WHICH WEHRHAHN PLANT TYPE TO SELECT?

WEHRHAHN gladly assists investors with advice to select the plant best suitable for their needs.

Please contact us!