

Semi-continuous batch systems

Advantages

“Inline” production:

The production process is performed inline with the semi-continuous loading system, i. e. there is no processing delay between filling and packaging.

100% separation between low and high risk areas:

The airtight transfer zone between the entry and exit sides allows the separation of production and packaging areas (“low-risk”, “high-risk”).

Integration:

The system can be integrated into the production area due to upstream and downstream automation.

Characteristics

Use:

Each of the process chambers are separated by an intermediate transfer zone (hinged or vertical lifting doors). A system may consist of two or more zones.

Possible processing:

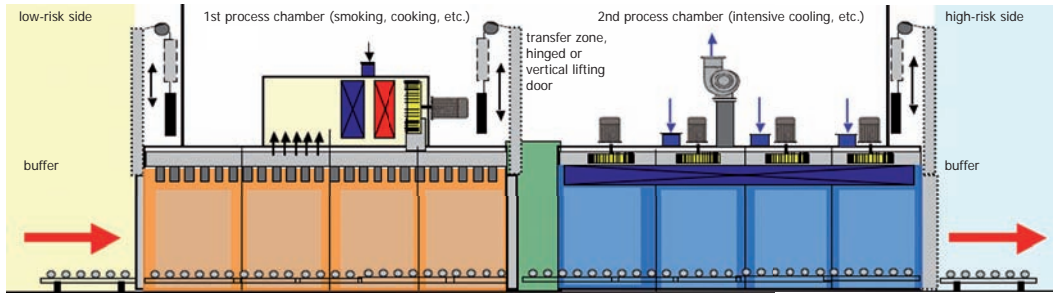
- drying/smoking/cooking transferred to intensive cooling downstream
- cooking transferred to intensive cooling downstream
- other combinations on request

Floor transport/roller or overhead rail conveyor:

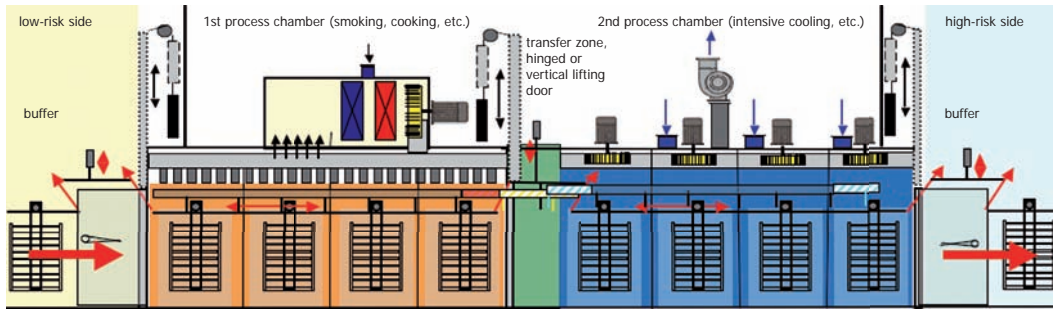
An electric drive system ensures smooth transportation.

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Example with floor conveyor installations (racks or smoking carts)



Example with suspended racks



	Number of trolleys	Cabinet dimensions (incl. extension) (cm)		Minimum ceiling height for hinged doors (cm)		Minimum ceiling height for vertical lifting doors (cm)	
		length with hinged doors in transfer zone	length with vertical lift doors in transfer zone	without overhead rail	with overhead rail	without overhead rail	with overhead rail
Tandem	4 + 4	1052	967	400	project-related	500	project-related
	5 + 5	1274	1189	450		500	
	6 + 6	1496	1411	450		500	
	7 + 7	1718	1633	480		500	
	8 + 8	1940	1855	480		500	
Parallel	6 + 6	830	745	450	project-related	500	project-related
	8 + 8	1052	967	480		500	
	10 + 10	1274	1189	500		500	
	12 + 12	1496	1411	500		500	

Features [⊖]	Description	Standard	Options	Entry	Transfer	Exit	Remarks	
Transfer zone (optional)	hinged doors (S)	→		see below for possible designs				
	vertical lifting doors (L)							
Floor transport	buffer on low-risk side		x	L	S/L	L		
	entry from 1st position	x		S/L		S/L	S/L	
	over transport to the following zone	x						
	transport to the last position	x						
Roller conveyor	buffer on high-risk side		x	L	L	L		
	buffer on low-risk side (1 place)	x						Manual transportation to the buffer
	buffer on low-risk side (n places)		x					
	entry from 1st position	x						
	over transport to the following zone	x						
	transportation to the buffer position	x						
	buffer on high-risk side (1 place)	x						
buffer on high-risk side (n places)			x					
Overhead rail system	buffer on low-risk side		x	L	L	L		
	entry from 1st position	x		S/L		L	S/L	
	transport to the last position	x						
	transportation from last zone		x					
	buffer on high-risk side		x	L		L		

[⊖] for basic system information, see relevant flyers