KRUMBEIN

• rationell •

Horizontal slice machine HGS

Slice machine for horizontal slicing of unfrozen baking goods, from one up to five double blade systems

precise • flexible • space saving

Horizontal slice machine • series HGS

» Heavy Duty Design

- robust styling, also for continuous duty in industrial environments
- equipped with high level components (drives, mechanical and electronically parts)

Double Blade System

- perfect cutting results, via reciprocating blade motion
- for various requirements are different microsections and shape of blades available
- long life time of the blades by branded quality steel

» Gently Slicing

- achieved via synchronized drives for upper and lower conveyor belt

» Highest Productivity

- placement of the baking goods on the whole width of the conveyor (600mm resp. 400mm; depending on version

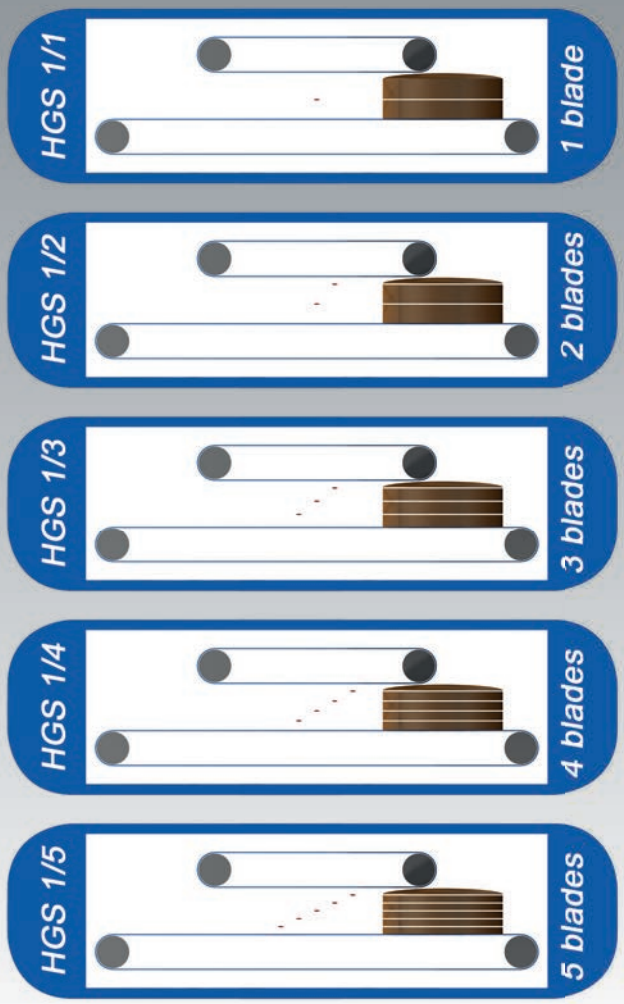
» Portability

- equipped with casters/wheels for enhanced mobility

» Maximum on Flexibility

- up to five double blade systems, six layers with one pass
- each blade is infinitely variable adjustable in each height

HGS version with manually adjustable height adjustment



» *available with working width 400mm or 600mm*

Highlights:

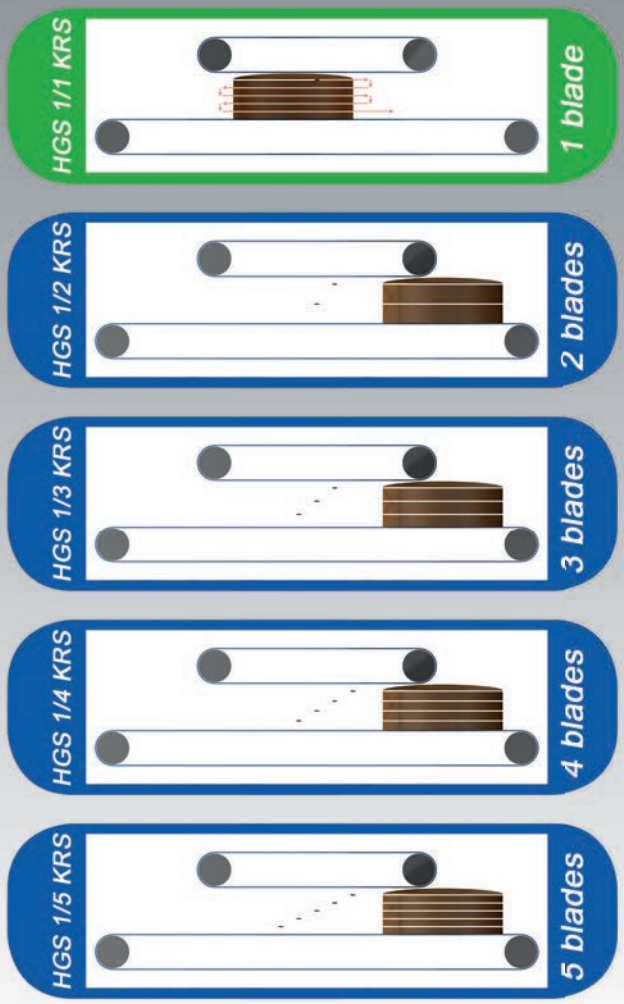
- *universally applicable for various purposes in the food sector (cake base, buns, Brioche, Pretzel etc.)*
- *simultaneously cutting with up to five blade systems in one pass (maximum six layers- less layers per pass is also possible)*
- *each knife is adjustable via handwheel and position scale in every height position*
- *adjustable conveyance speed for the best results for each product consistency*
- *space saving design; Conveyor belt is able to fold to conserve space when not in use*
- *user friendly design: all control elements neatly arranged and unmistakable labelled*

Advantages:

- *maximum on flexibility*
- *highly moveable*
- *high efficiency and a minimum at noise emission*
- *wear-resistant construction and design*
- *very low maintenance costs*

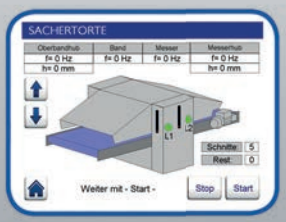
HGS versions with program-controlled height adjustment of the blade systems

» available with working width 400mm or 600mm



Maximum ease of use:

- *TFT touch display with icon-guided user interface*
- *only one-time deposition of the cutting parameters per product type*
- *automatically loading of the saved parameters with a recall of any program*
- *data back-up and restore: easy and user-friendly via USB-connection*
- *many languages installed*



Mode of operation:

- *version HGS 1/1 KRS works in reversing mode ↔*
- *cutting takes place forward and backwards (accordingly to adjustment)*
- *automatically height adjustment of the double blade-system between the cutting cycles*

- *versions HGS 1/2 KRS up to HGS 1/5 KRS working in continuous mode*
- *Automatically adjustment of blade height and conveyor speed accordingly to selected program*

HGS Version " OLM" for integration in existing production lines

HGS 1/1 OLM

- *version with one double blade cutting system, two layers in one pass*
- *drive of the cutting system is above the working space positioned*
- *without an own conveyor system is the use with an extern and existing conveyor system possible, speed synchronization between (HGS machine-side) installed upper conveyor belt and existing conveyor system (customer line-side) via programmable interface*
- *liftable counter-brace pillar of the machine frame, cutting machine sidewards placeable*
- *construction and design regarding; working width, working height, additional equipment, depending on customer requirement*

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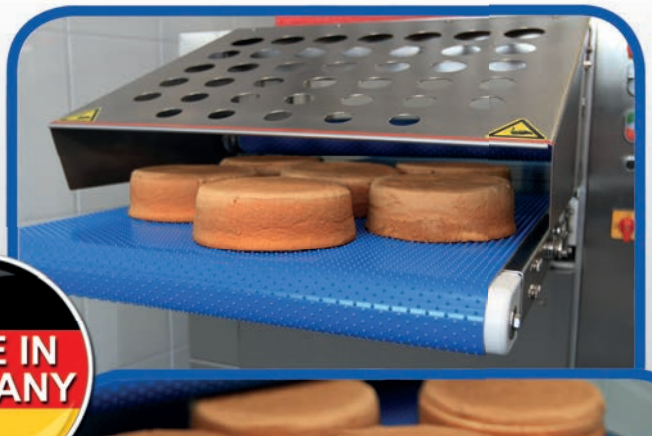
Technical specification:	HGS 1/1	HGS 1/2	HGS 1/3	HGS 1/4	HGS 1/5	HGS 1/1 KRS	HGS 1/2 KRS	HGS 1/3 KRS	HGS 1/4 KRS	HGS 1/5 KRS	HGS 1/1 OLM
Number of blades	1	2	3	4	5	1	2	3	4	5	1
Working width (optional)	400mm 600mm	400mm 600mm	400mm 600mm	600mm	600mm	400mm 600mm	600mm	600mm	600mm	600mm	600mm
Maximum height of product	100mm	100mm	100mm	100mm	100mm	100mm	100mm	100mm	100mm	100mm	---
Position blade height	5 - 95 mm	5 - 95 mm	5 - 95 mm	5 - 95 mm	5 - 95 mm	5 - 95 mm	5 - 95 mm	5 - 95 mm	5 - 95 mm	5 - 95 mm	---
Working height	930mm	930mm	930mm	930mm	930mm	930mm	930mm	930mm	930mm	930mm	
Blade height adjustment:											
Manually (by hand wheel)	X	X	X	X	X						X
Program-controlled						X	X	X	X	X	
machine control	---	---	---	---	---	KRS Touch	KRS Touch	KRS Touch	KRS Touch	KRS Touch	---
Number of possible programs						64	64	64	64	64	
Dimensions											
Length	1750mm	1750mm	1750mm	1980mm	1980mm	1750mm	1750mm	1750mm	1980mm	1980mm	750mm
Width	750mm 950mm	750mm 950mm	750mm 950mm	950mm	950mm	750mm 950mm	950mm	950mm	950mm	950mm	1300mm
Height	1370mm	1370mm	1370mm	1370mm	1370mm	1580mm	1580mm	1580mm	1580mm	1580mm	2000mm
Current supply											
Electrical connection	400V 50 Hz 3 Ph+N+PE	400V 50 Hz 3 Ph+N+PE	400V 50 Hz 3 Ph+N+PE	400V 50 Hz 3 Ph+N+PE	400V 50 Hz 3 Ph+N+PE	400V 50 Hz 3 Ph+N+PE	400V 50 Hz 3 Ph+N+PE	400V 50 Hz 3 Ph+N+PE	400V 50 Hz 3 Ph+N+PE	400V 50 Hz 3 Ph+N+PE	400V 50 Hz 3 Ph+N+PE



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