

FLAKING SYSTEMS

APPLICATION:

Alvan Blanch flaking systems are designed for a range of cereals and other materials.

The correct selection of the process equipment will depend on the material to be flaked, and the type of flake to be produced.

Take-up of moisture into the grain is essential for successful flaking, and this is achieved by the selection of the steam chest to provide the necessary retention time, with in some cases the need to add water and temper the grain first.

For high quality, thin, flakes as used for instance for dairy cows, precise precleaning of the grain to remove oversize, undersize, and dust is essential.

Removal of stones protect the surfaces of the rolls, leading to longer life, and prevents contamination of the flakes.

STEAM CHESTS:

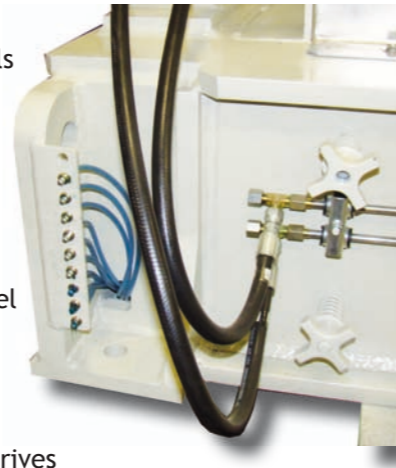
FEATURES INCLUDE:

- Manufactured in stainless steel
- Circular cross section for easy material flow
- Multiple steam injection points
- Large range of sizes to provide the correct retention time

FLAKING MILLS

FEATURES INCLUDE:

- Chilled cast iron rolls
- Smooth or corrugated roll surfaces
- Large size main bearings
- Rigid fabricated steel base frames
- Stainless steel contact parts
- Toothed belt main drives with automatic tensioning
- Hydraulically loaded roll gap
- Accumulators for shock protection
- Compressed air driven hydraulic pump
- Both rolls can removed from either front or back
- Stainless steel feed roll
- Adjustable feed gate
- Variable speed drive



View shows the grease manifold and scraper tension adjusters

STEAM CHEST SPECIFICATIONS				
STEAM CHESTS - MODEL	38	48	66	84
DIAMETER mm	965	1219	1676	2134
HEIGHT (m)	2.44	5.18	4.27	12.19
	3.66	5.79	4.57	13.41
(SPECIAL HEIGHTS AVAILABLE)	5.18	7.62	4.88	
		9.14	5.49	
			6.10	
			6.71	
			7.01	



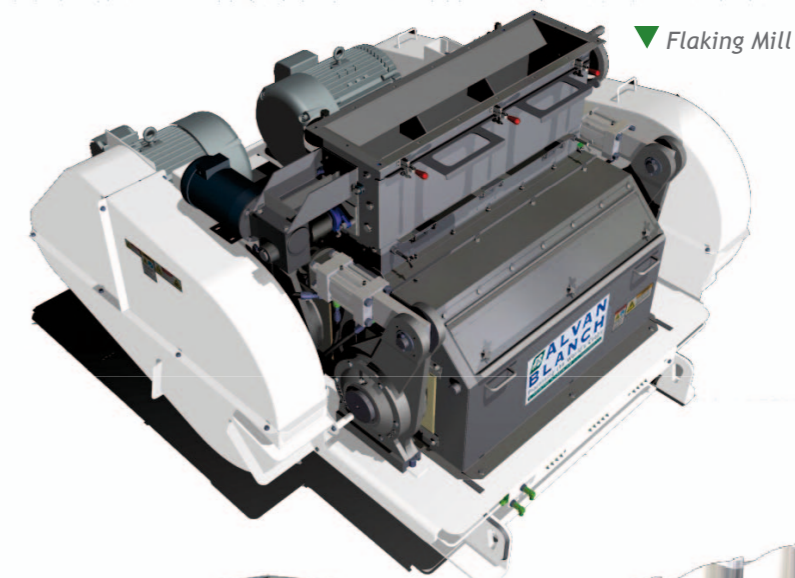
Stainless Steel Pin Feeder with Control Gate

FLAKING MILL SPECIFICATIONS							
FLAKING MILLS - MODEL	18 x 12	18 x 30	18 x 36	20 x 42	24 x 48	24 x 56	32 x 68
ROLL DIAMETER x LENGTH mm	457 x 305	457 x 762	457 x 914	508 x 1067	610 x 1219	610 x 1422	813 x 1727
TYPICAL POWER kW	2 x 5.5	2 x 18.5	2 x 22.0	2 x 30.0	2 x 45.0	2 x 55.0	2 x 90.0

FLAKING SYSTEMS



◀ Steam Chest



▼ Flaking Mill



▲ Drier/cooler

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THE FLAKING PROCESS

