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

STEAM CHEST SPECIFICATIONS

Model	Diameter (mm)	Height (m)	Special Heights Available (m)
38	965	2.44 3.66	5.18
48	1219	5.18 5.79	7.62 9.14
66	1676	4.27 4.57	4.88 5.49 6.10 6.71 7.01
84	2134	12.19 13.41	

Flaking Mills

Features Include:

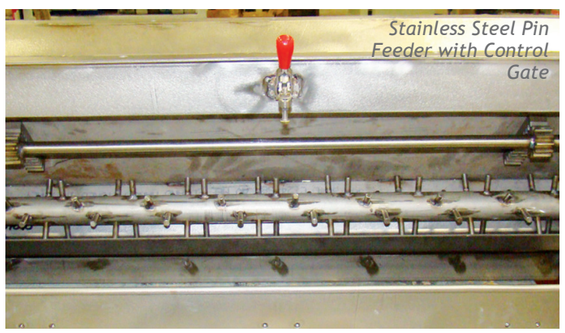


View shows the grease manifold and scraper tension adjusters

- 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

FLAKING MILL SPECIFICATIONS

Model	Roll Diameter x Length (mm)	Typical Power (KW)
18x12	457x305	2x 5.5
18x30	457x762	2x 18.5
18x36	457x914	2x 22.0
20x42	508x1067	2x 30.0
24x48	610x1219	2x 45.0
24x56	610x1422	2x 55.0
32x68	813x1727	2x 90.0



Stainless Steel Pin Feeder with Control Gate

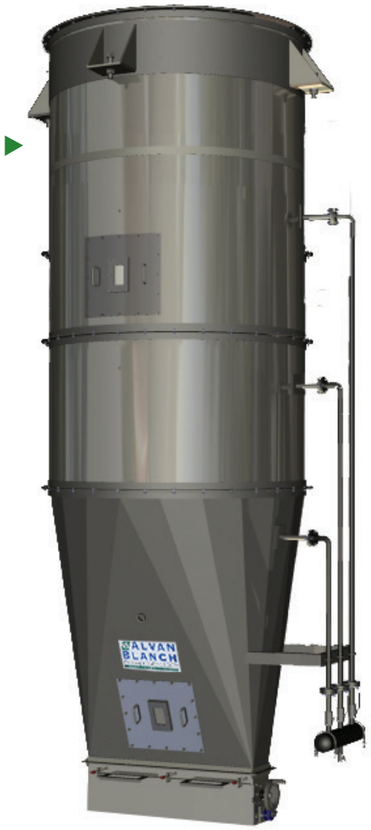
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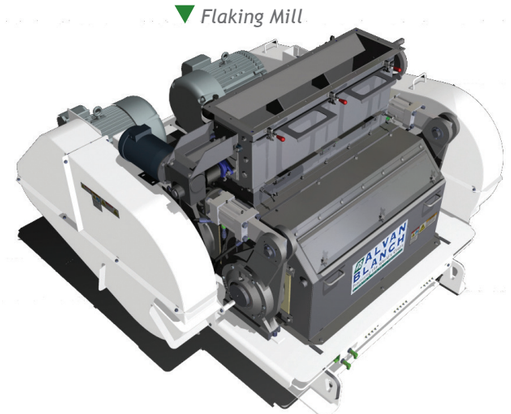
Chelworth, Malmesbury, Wiltshire, SN16 9SG. England
T: +44 (0) 1666 577333 F: +44 (0) 1666 577339 E: info@alvanblanch.co.uk W: www.alvanblanchgroup.com

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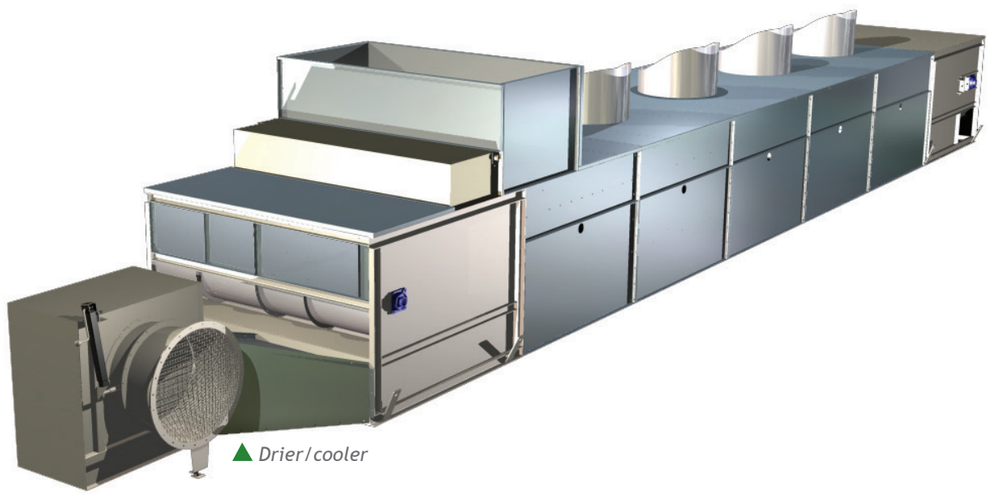
Flaking Systems



Steam Chest



Flaking Mill



Drier/cooler

Cont.>

Chelworth, Malmesbury, Wiltshire, SN16 9SG. England
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The Flaking Process

