

BeaverMatic

Beaver "TAILS"

A Unique Trade Secret of BeaverMatic's Transfer System with RAMS.

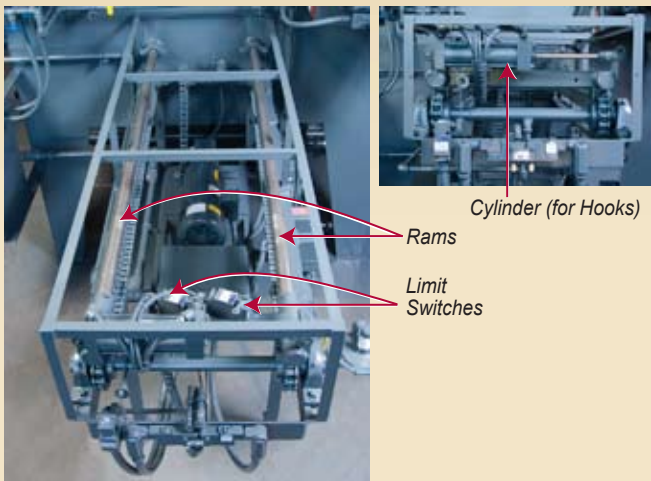
Beaver Tails are unique basket attachments used in conjunction with Rams to transfer loads within a furnace. This BeaverMatic trade secret design makes its system extremely reliable for controlling the load.



Photograph of Transfer System without guard (above) and with guard (right)

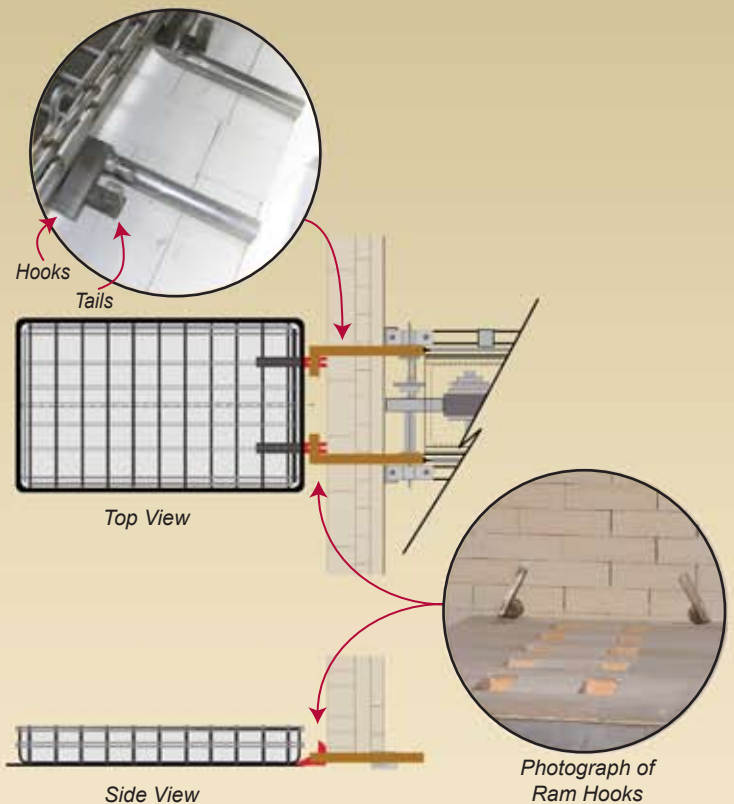
Pull-Push Sequence of Operation

- 1) Rams extend to the basket.
- 2) Ram **Hooks** rotate into a basket's **Tails**.
- 3) Rams pull the cold **Tails** to transfer a load into the heating chamber and the heating chamber door closes.
- 4) Ram **Hooks** rotate out of **Tails** at the end of the heating portion of a cycle, and then the heating chamber door opens.
- 5) Rams push the load back out of the heating chamber.



The transfer system of a BeaverMatic is a pull-push design, which has been proven for 50 years, and a request over the internal chain transfer design. Some advantages of the BeaverMatic System include:

- Ram drive assembly is outside the furnace which lends for easy inspection and maintenance.
- Rams precisely position each workload within the furnace.
- Rams and Tails eliminate need for grids and therefore increase net load capacity of furnace.
- No special accessories needed – only standard baskets modified with Beaver Tails.



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