

SCHULZ
MALTING SYSTEM



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A GERMINATION-KILNING COMBO DRUM FOR THE AUTOMATED PRODUCTION OF MALT

Malt is the essence of beer. KASPAR SCHULZ is not only the oldest brewing machinery manufacturer in the world, we also have a longstanding history of producing complete solutions for malting plants.

The brewing and malting processes can once again go hand in hand thanks to these enabling technical solutions.

Local beer subsists on local concepts and, now more than ever, on locally-sourced raw materials. Slogans such as »From the grain to the glass« take on a deeper meaning when the brewers themselves adapt a hands-on role in the brewing process. We believe that distinctive products require unique solutions. When it comes to malt and beer production, KASPAR SCHULZ'S technical solutions are second to none.



Insulated drum with an external rotary drive for germination and kilning operation without requiring green malt to be transferred. Malt which has been thoroughly mixed and dispersed ensures consistently excellent quality.

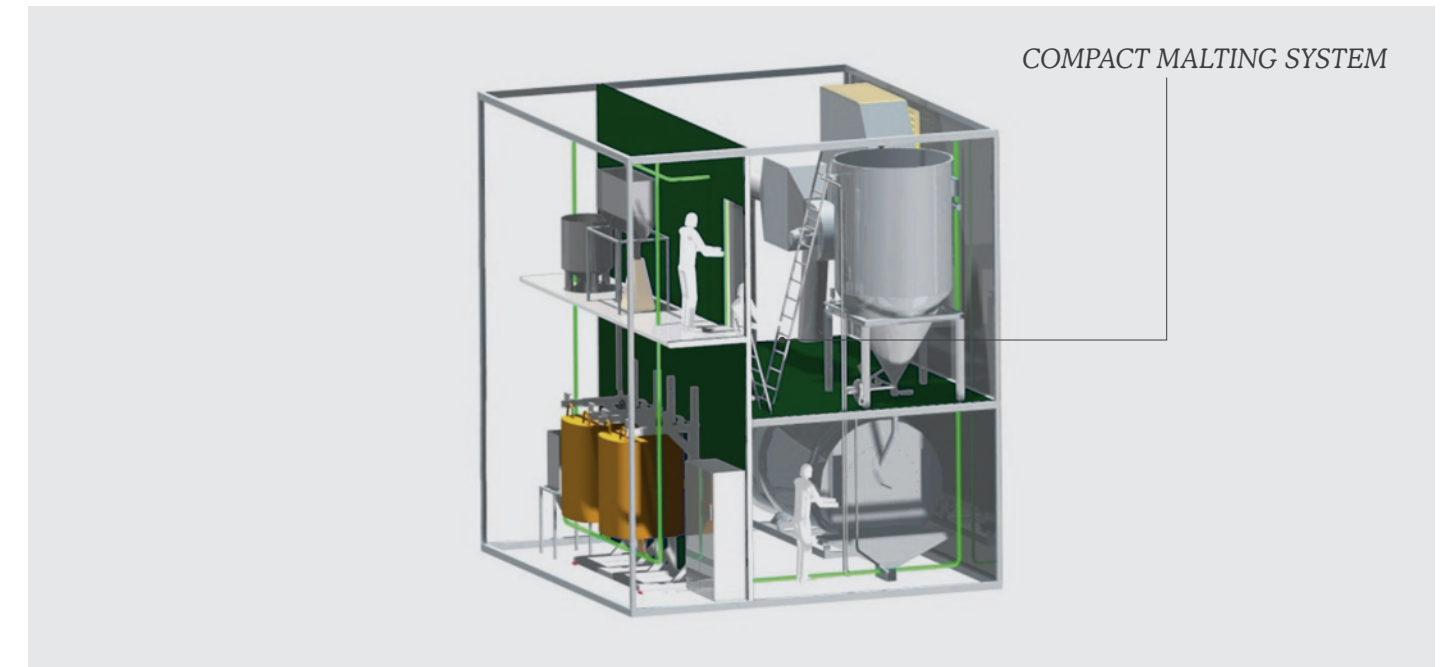
EXTERNAL CONICAL STEEP VESSEL INCLUDES:

- Revolving grooves for catching any overflow of floating barley
- Circulation above the dispersion plate
- Pneumatic circulation and aeration
- CO₂ exhaust

Guaranteed 7-day production cycle, even possible with variation between harvest years. Tempered steeping via the water mixer ensures that steeping time remains constant. Excellent hygienic conditions inside the drum.

BATCH SIZES AND PRODUCT DIMENSIONS:

Fill capacity (Barley in tons)	Diameter (mm)	Length (mm)
2	2300	2500
5	3000	4200
10	3500	7200
25	3500	18100



Compact malting system option with pre-assembled components



Using Big Bags to load in the barley



The central circulating pipe ensures aeration and circulation in the steep tank



Circulation of the barley also results in a cleaning effect



A rotating drum allows intensive mixing and uniform distribution



Drum is emptied via a permanently fitted screw running in the opposite direction of the casting



After being loosened up by the rotating motion, the material is discharged



The section containing the discharge spiral rotates continuously, functioning like a shovel



Leftover malt sprout and/or powder remnants are dispelled

HOMOGENOUS MALT: EVERY GRAIN COUNTS!

The ability to both germinate and kiln in a single drum eliminates the need to transfer the green malt. Time-consuming cleaning of the germinating vessel can be completely omitted. The rootlets remain properly intact for the rapid removal of water during the drying stage.

Intelligent control engineering enables a double sided rotation of the drum regardless of the rotation angle. The specific fill angle for the parallel alignment of the rack is adjustable. Fully automated steeping, germination, and kilning operations.

- A suitable quantity for any operation volume requirements: 2, 5, 10 and 25 tons. Variable installation options for one or two levels. Also available as a compact malting system for a max. of 5 tons with pre-assembled transport equipment.

- Air conditioning unit with cooling coil, air humidifier, indirect air heating, and an optional heat recovery feature.

The best technology for your beer.



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KASPAR SCHULZ

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