HÄNDLE

Wet extruded bricks with low stress and texture levels thanks to a unique souring and homogenizing effect: circular silos by HÄNDLE are indispensable for the manufacture of high-quality products.

Circular silos

AGR

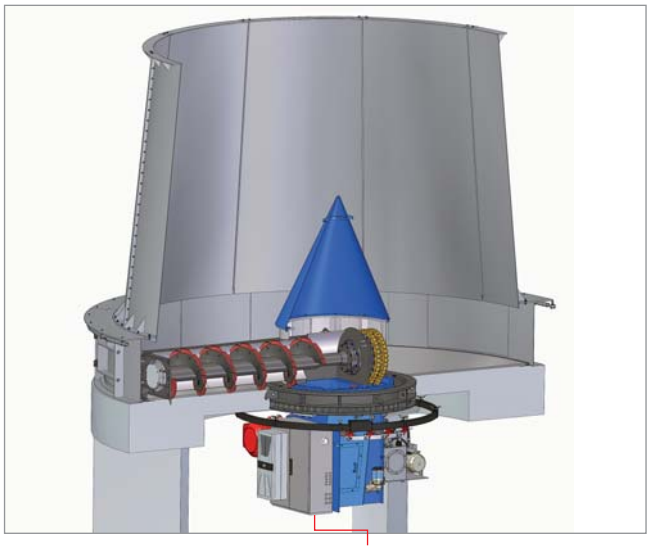
The HÄNDLE circular silo series

Clay silos are the only pieces of equipment that make it possible to provide absolutely homogeneous, uniformly moist press body, and precisely that is a prerequisite for wet extruded bricks with low stress and texture levels. The unique souring and homogenizing effect is achieved according to the "first in – first out" principle in combination with hermetically sealed storage and pressure from the dead weight of the raw material. HÄNDLE is the only manufacturer producing circular silos in three different sizes with capacities ranging from 110 m³ to 1000 m³. In all three, the material discharges through a centrally located hopper enabling material takeoff in any arbitrary direction. The automatic hydraulic discharger is controlled and operated via modern PLC (programmable logic control) technology, so accurate material infeed, even from remote shaping plant, is no problem.

The silo tower can be made of steel, in-situ concrete, pre-fabricated concrete components or brick masonry with reinforced joints.

Defining characteristics

- Little space requirement
- "First in – first out" storage principle
- Combined homogenizing, aging, storage and proportioning of material for retrieval
- Uniform material moisture » no drying out by loss of surface moisture
- Complete discharge, even of bulk material with poor flow properties
- Modular design
- Selective plasticity enhancement



Cross-sectional view of a circular silo with discharger comprising a rotating unit, cantilever arm with extracting auger and bearing, drives for the auger end feeder, and a supporting structure

Technical data

TYPE	Silo-diameter mm	Silo height max. mm	Silo volume approx. m³	Auger diameter mm	Volumetric throughput[1] m³/ h compact	Throughput capacity[1] t/h wet	Power requirement kW
AGR 55c	5.500	8 000	150	600	5 – 35	9 – 61	45 – 63
AGR 65c	6.500	20 250	500	700	8 – 50	14 – 88	53 – 63

[1] Volumetric throughput and throughput capacity depending on material characteristics and feed settings

Subject to technical modification due to ongoing development.