

Pan mills are true classics that operate according to the multi-stage size-reduction principle. Their universality and flexibility in the preparation of plastic ceramic bodies are unrivaled.

Wet and mixing pan mills Duo / Quadro

HMI / HMIQ



THE HÄNDLE Duo and Quadro series

«Duo» is for crushing, mixing, homogenizing and moistening soft to hard materials. The ground material is sprinkled continuously through a centrally co-rotating chute on the inner non-perforated grinding track in front of the inner heavy runners. Then, the scrapers push the uniformly ground stock spirally outward onto the outer, perforated grinding track, where it is pressed through the perforated grid plates.

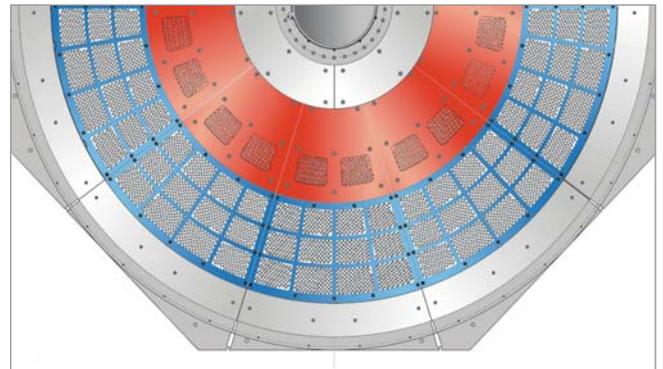
Instead of two pairs of rollers with different weights, the «Quadro» has four rollers of equal weight, with two rollers

reach running on the inner and outer grinding tracks.

A co-rotating internal breeches chute uniformly distributes the inflow of mill feed onto the inner, unperforated grinding track, just ahead of the runners. Since all four runners weigh the same, the centrifugal forces acting on each pair of opposing runners are likewise equal and opposite, so the Quadro is known for its high balance quality. Compared with a Duo pan mill, the Quadro can handle about 1.8 times as much throughput.

Defining characteristics

- Variable, energy-saving center drive for minimal wear and optimal size reduction
- High throughput rates and high size-reduction ratios thanks to the large effective area of the grinding tracks
- Material-specific optimization of size reduction and mixing effects by made-to-measure grinding-plate perforations and configuration
- Fast, easy installation; self-supporting, two-piece bed designed for installation on a steel or concrete supporting substructure
- Optimized material discharge systems for lump-free extraction
- Readily removable runners and grid plates
- Diverse accessories for optimal customer value



Optional partial perforation of the inner grinding track for an approximately 10% gain in throughput. This also keeps the inner runner from slipping in case of "difficult" material.

Technical data

TYPE	Effective grinding-track area m ²	Total pan-bed area m ²	Runner diameter/ width mm	Weight of inner/outer runner kg	Volumetric throughput m ³ /h compact	Throughput capacity t/h wet	Power requirement kW
HMI 1860c	10,6	15,5	1.800/ 600	9.800/ 8.350	10 - 35	18 - 62	75
HMI 1870c	12,5	18,0	1.800/ 700	11.600/ 9.900	15 - 40	26 - 70	90
HMI 2170c	12,5	18,0	2.100/ 700	15.300/ 13.800	20 - 60	35 - 106	110
HMSI 2180c	16,7	25,6	2.100/ 800	19.200/ 17.000	30 - 90	53 - 158	200
HMIQ 2170c	16,7	25,6	2.100/ 700	15.300	45 - 135	80 - 237	200

Subject to technical modification due to ongoing development.