DEPART
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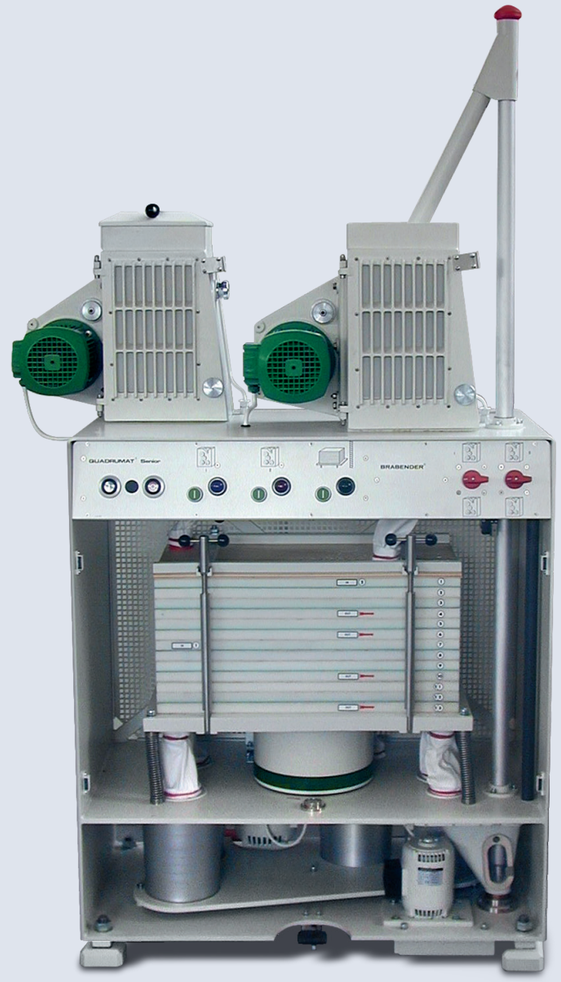
Anton Paar

The universal pilot mill for the preparation of production-like test flours

Brabender: Quadrumat Senior



Brabender®
A brand of **Anton Paar**

Quadrumat Senior

The Brabender Quadrumat Senior is a laboratory mill for manifold applications.

From the feed hopper, the sample passes the 4-roll milling system and falls onto the first frame of the break sifter section.

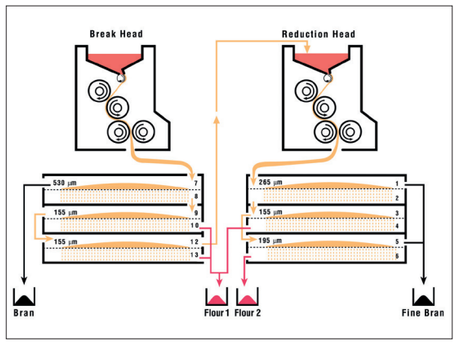
The schematic shows the way of the different brans and flours and of the “overs“ from the different sieves. The break flours from the collector frames and can be collected either as two separate flours or collected together in a common flour stock pail.

The middlings from the last sieve of the break sifter section go to the 4-roll reduction head and pass the sifters of the reduction section.
Again, the flours from collecting frames and can either be drawn separately or gathered together in a common flour stock pail.

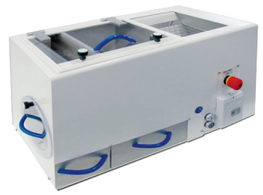
By turning the different sifter frames by 180° in the assembly, various flour types can be obtained.

Technical Data

- Throughput: 8-10 kg/h
- Sample weight: min. 200 g
- Yield: 65 - 75 %
- Ash: 0.45 - 0.65% on dry substance
- Mains connection:
  3x 230 V; 50/60 Hz + PE; 2.8 A
  3x 400 V; 50/60 Hz + N + PE; 1.6 A
- Power: 1.1 kW
- Dimensions (W x H x D): 940 x 1820 x 530 mm
- Weight: approx. 300 kg net



Quadrumat Senior schematic



Bran Duster

Highlights

Versatile applications:

- Preparation of productionequivalent test flours
- Checking the milling properties of various sorts of grain (wheat, rye and others)
- Determination of the potential yield
- Optimisation of grinding results through five different sifter configurations

Process advantages:

- Automatic grinding process
- Optain up to four milling products together:
  - Break flour
  - Reduction flour
  - Shorts
  - Bran
- High performance and gentle milling by 4-roll milling system with hardened, profile-ground rolls
- 2 x 3 successive roll passes
- No intermediate sifting required
- Self-cleaning sifter
- Easy operation and handling
- Good reproducibility and constancy

A modified version of the Quadrumat Senior with modified rolls and roll gaps and another sifter is available for grinding durum wheat to semolina.

Bran Duster

If the ash content and yield of your grain sample do not meet the required specification, the bran duster carefully separates flour particles still adhering to the bran.

Increase the yield obtained on your Quadrumat Senior by some 10% and approach even better the ash content of your samples to that of commercial flours.

Or use the bran duster to exactly adjust the flour produced to a certain type and obtain flours which are exactly the same as those produced in industrial mills for making reliable statements concerning the flour quality.

- Higher yield
- Higher ash content
- Sifter easily removable