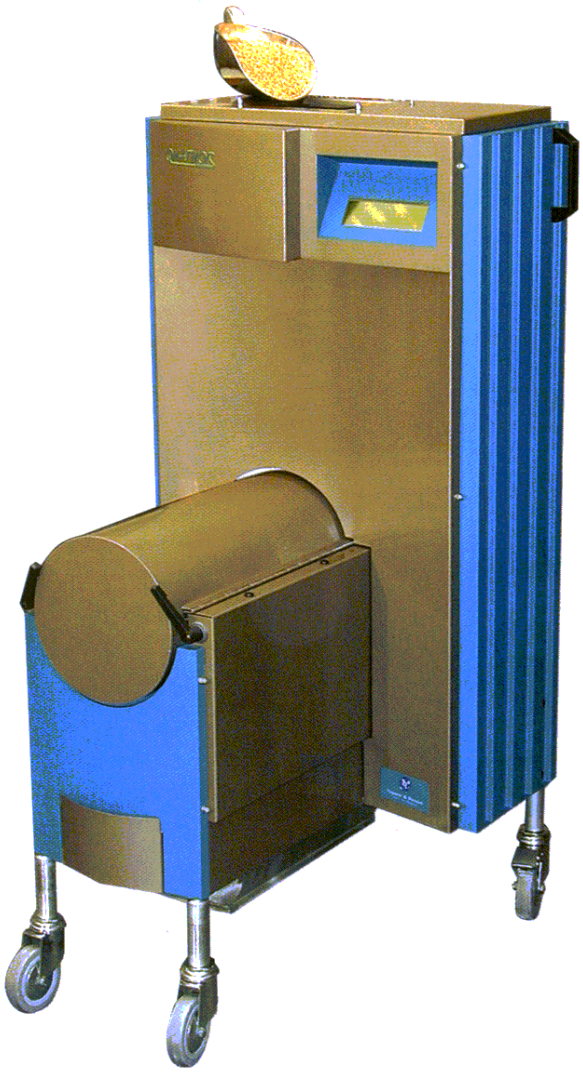
QUATUOR®

Automatic cleaner

Automatic determination of the impurities rate

The Quatuor®
4 operations in 2 minutes



- ✓ **Cleans**
  Takes out impurities

- ✓ **Selects**
  Separates the grains in several classification depending on their seize

- ✓ **Calibrates all kind of cereal**
  And trims the barley of brewery

- ✓ **Calculates and displays**
  The impurities % and the broken grains %

Integrable in an automatic reception chain

Adapted to all sort of seeds :
Wheat, barley, rapeseed, maize, peas, sunflower, Oat, rye, soya, sorghum…

Tripette & Renaud
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FAST **AUTOMATIC** **USER FRIENDLY**

Without weighting step, the Quatuor cleans and displays automatically the results of the obtained impurities rate in less than 2 minutes

AUTOMATIC

① Sample introduction

② Selection of the grain sort

③ Displays of the results

Impurities	Ex : Sunflower
Broken grains	IMP = 1.8 %
Impurities + broken grains	GC = 2.2 %
Good grains	IGC = 4.0 %
	BG = 96.0 %

USER FRIENDLY

- Touch-screen
- Easy programming by sort of cereal
- Key board available to personalise The ticket (name, variety code…)
- Automatic printing
- Can be connected to a computer To transfer the database

INTEGRABLE

Created to be integrated in an automatic Chain of control, total or not including :

- Automatic probe (Pick-up)
- Moisture analyser (TM NG)
- Proteins measure (Pro-TR)

CHARACTERITICS

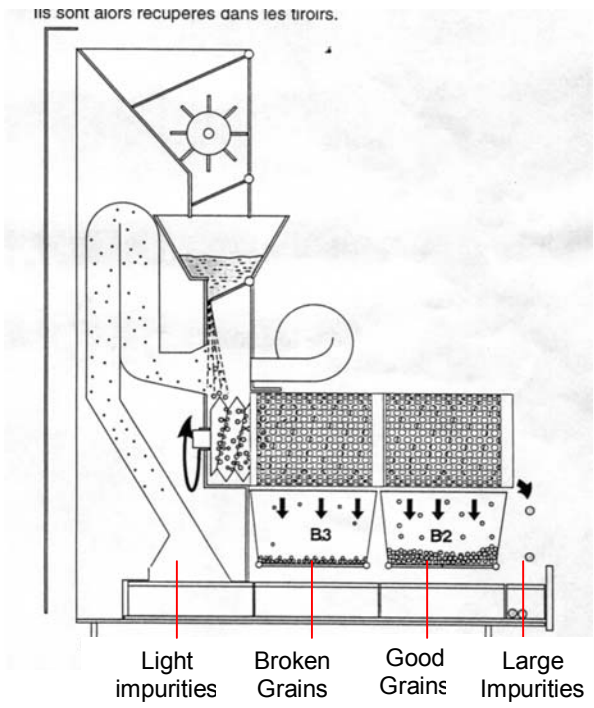
- given with standards programs and a choice of 2 sieves for the following grains : wheat, barley, sunflower, rapeseeds, peas or maize.
- Net weight : 90 kg. – Gross weight : 120 kg
- Power requirements : 220 V – 50/60 Hz – 210 W
- RS 232 output. Printer output

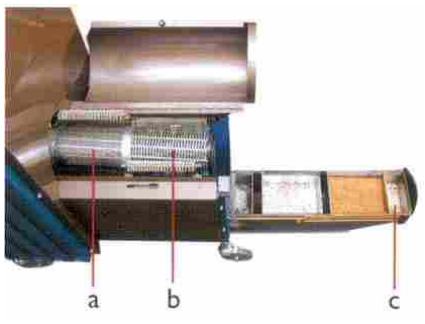
WORKING

After an eventual step in the trimming machine, grains are weighting in the funnel ①
The funnel becomes progressively empty : smallest particles are separated with the air of a turbine (impurities, beard) and evacuated②.

Grains fall on an endless screw which bring them on the cylindrical sieves :

- Broken grains and small impurities go through the first sieve (a)
- Good grains go through the second sieve (b)
- Big impurities are evacuated at the end of the barrel ©.





Tripette & Renaud
Tools for Results