

Designed to develop your laboratory by increasing your productivity, quality and homogenization of ground remains at reduced costs



The **Mini-Grinder 24** is a high throughput multi-plant matrix able to simultaneously grind 24 samples in less than 1 mn.

Mini-Grinder 24 offers you :

- High productivity : one person can grind up to 1'700 samples per day
- Fast return on investment: in one or two campaigns, the **Mini-Grinder 24** is amortized
- Matrices grinding versatility (up to 30 different ones)
- A fineness of ground material for high extraction yields
- High homogeneity : 1 grain with improper DNA among hundreds of other grains is detected after grinding
- No risk of cross contamination between samples of one serie or successive series
- The **Mini-Grinder 24** is easily manageable. It conforms to safety regulations machines

The Mini-Grinder 24

- Dimensions : L 105 x P 60 x H 98 or 178 cm
- Equipped with 24 electric motors that rotate 24 non-sharpened blades
- The sample is contained in stainless steel cups of 60 mm in diameter and 20 or 80 mm deep
- Equipped with a very high pressure washing device that washes and decontaminates lid, sharps and blades in contact with the samples. A detergent may be added to the washing water (optional)
- Ground matrixes are frozen seeds and leaves. In case of fatty matrixes , liquid nitrogen can be used
- For frozen leaves the wells can be filled up to half capacity
- For other seeds (sunflower, rapeseed, wheat, oats...) the wells can be filled to a third of their capacity
- The grinder is supplied with a set of mounted blades, a rack cups and 24 cups (see photos below)
- Controlled by an industrial automate stores up to 10 programs



Grinding pot



Rack with steel cups

Installation of the Mini-Grinder 24 requires the following

- A power outlet 240V, 32A. If necessary, an option is available for 110V
- A water inlet faucet with standard threaded connection for the high pressure washing device
- A waste water disposal, sink type placed approximately at 25 cm from the ground

*We would be pleased to tell you more about the **Mini-Grinder 24** and our range of high throughput grinders for your sample preparation.*