



*Good analytical results
start with the weighing process*



A NEW STANDARD IN WEIGHING ADVANCES THE FUSION PROCESS

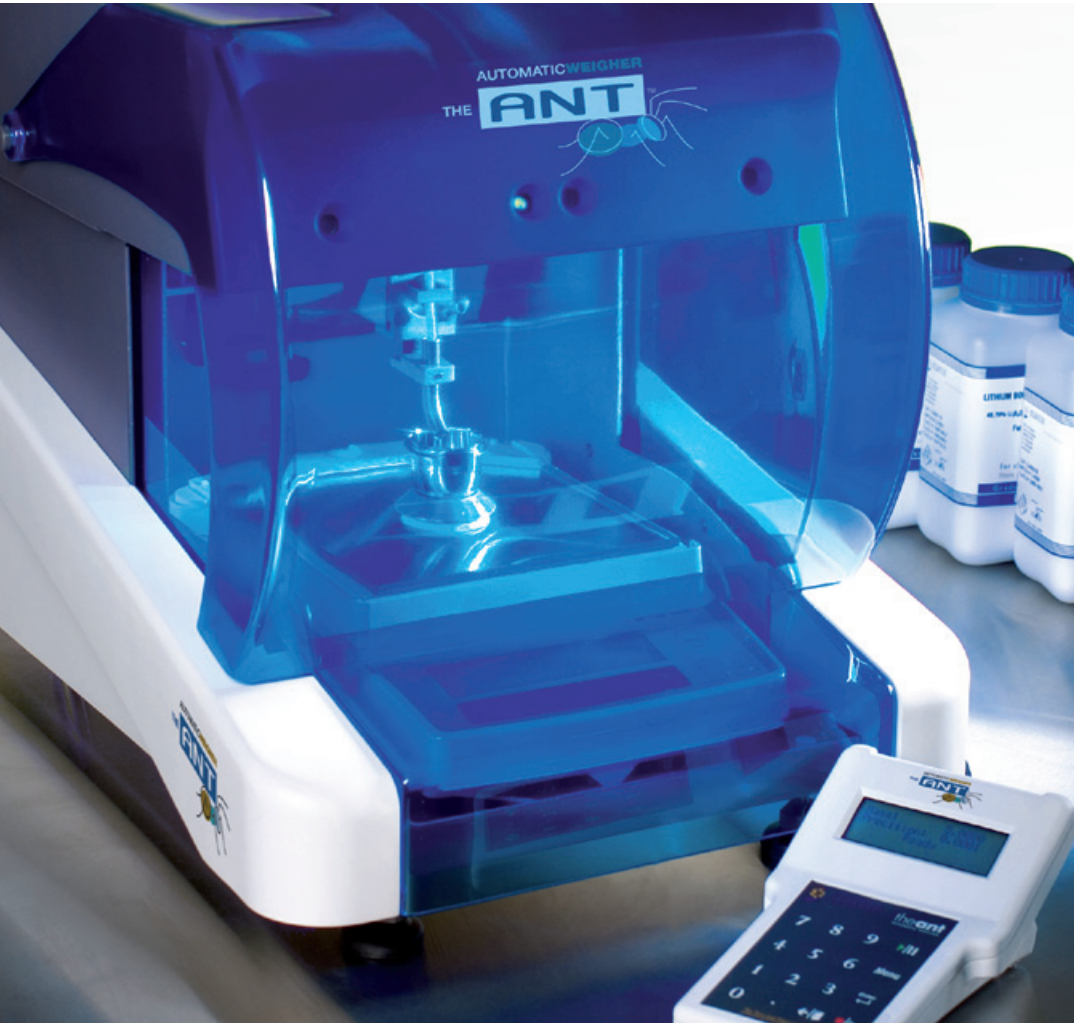
TheAnt™ automatically weighs the sample and dispenses the flux precisely, with an accuracy of up to one-tenth of a milligram.

SPECIALLY DESIGNED FOR:

- Laboratories with high sample throughput for analysis by XRF, AA and ICP
- Laboratories seeking high accuracy and precision

DISTINGUISHING FEATURES:

- Automatic weighing of the sample
- Automatic dispensing of the flux to maintain a constant sample/flux ratio
- Precision of up to 0.1 mg
- Easy to install
- No training necessary
- Low maintenance
- Robotics ready



 **CLAISSE®**
The First and Finest in Fusion™





APPROVED



INSTRUMENT SPECIFICATIONS:

Electrical: 100/240 VAC; 50/60 Hz
 Dimensions: Approx. 45 x 39 x 57 cm (18 x 15 x 23 in.)
 Weight: Approx. 23 kg (50 lb)

INSTRUMENT MODES:

1- Sample/flux ratio mode

TheAnt™ allows you to obtain the desired sample/flux ratio automatically and with high precision, each and every time. Simply add in an approximate quantity of sample and TheAnt™ will automatically calculate and dispense the amount of flux needed to reach the required sample/flux ratio.

2- Absolute mode

TheAnt™ automatically dispenses the desired amount of flux with a precision of up to 0.1 mg.

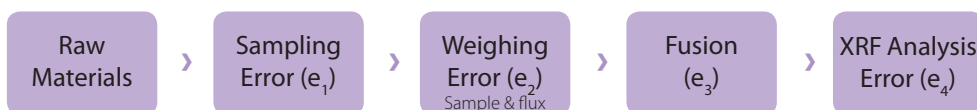


INSTRUMENT BENEFITS:

Eliminates human error at the weighing step

The global error (e_5) associated with the concentration of an element to be measured is a function of the individual errors relating to the different stages in the analytical process:

$$\%e_5 = \sqrt{(\%e_1)^2 + (\%e_2)^2 + (\%e_3)^2 + (\%e_4)^2}$$



Since TheAnt™ eliminates weighing errors (e_2), the global error (e_5) is significantly reduced, which consequently improves the accuracy and the reproducibility of the analysis.

Dramatically speeds up the weighing process

- No more loss of time related to the weighing of fluxes.
- No more calculations for determining flux weight in relation to sample quantity.

Eliminates human fatigue from the production process

- High throughput: 30 to 60 samples per hour.
- Operates independently for approximately 200 weighings.



Look to Claisse® for:

- Further information on Claisse® products
- Worldwide sales addresses
- Free flux samples
- Free consultation on sample preparation techniques

Please call the fusion experts or visit our website:

350, rue Franquet, Suite 45
 Quebec, QC
 CANADA G1P 4P3
 Tel: 418 656 6453
 Fax: 418 656 1169

www.claisse.com