BEL Engineering introduces the new micro balance series "Mu" with 0,001mg resolution. Equipped with 5 inch color touch screen display that brings outstanding ease of use thanks also to the innovative wide double glass wind-shield that allows the user to weigh the samples with comfort. Advanced and efficient filtering algorithms to deliver quick and accurate results and many embedded functions to meet all the laboratory requirements.

Key features:

UNITS Selectable measuring units	**LIMITS** Check weighing	**ADD** Cumulative weighing	**DENSITY** Density determination	**CLOCK** Date and time
PCS Parts counting	**% WEIGH** Percent weighing	**ANIMAL** Animal weighing	**PEAK** Peak hold	**GLP** GLP settings
LANG Multi language	**RECIPE** Formulation	**STAT** Statistical calculation	**PIPETTE** Pipete calibration	**PASSWORD** user access control
DATABASE Database to store data	**TOUCH** 5 inch touch screen	**USB** USB host	**RS 232** RS232 serial interface	

Overview:

•   Max capacity 6,1 g with resolution 0,001 mg

•   5 inch touch screen indicator that makes easy the operation and the navigation through the balance functions

•   Double wind shield for enhanced ventilation and temperature variation protection

•   External ioniser included with the balance to eliminate static charges

•   Automatic internal calibration

•   Wide range of embedded functions such us formulation, advance piece-counting etc.., 7 languages interface

Double wind shield

This series mounts by standard a double round glass windshield giving advantages comparing to others similar product in the market. The double glass brings an enhanced protection to external temperature variation and ventilation.
Moreover the windshield is built with a metal evaporated metal coating to help to reduce at minimum static charges.
By rotating the two windshields the user can adjust the dimension of the opening to accommodate bigger samples and making more comfortable the access to the weighing plate.
The windshield is very easy to disassemble and can be cleaned in few minutes if necessary.

Double wind shield

Easy disassembling

Ioniser

The microbalance comes standard with a ioniser (model ION-A15).
Static charges accumulate in many kind of samples that are being weighed during the laboratory routine. By blowing ions, this portable Ionizer neutralizes static electricity on charged samples like plastic parts, containers or films. Within seconds the sample is ready to be weighted free from static charges giving the operator accurate results.
The ioniser is a fundamental instrument to use together with the microbalance.

Wide range of functions and features

The microbalance comes standard with a wide number of embedded functions such as formulation, statistics, piece counting, pipette calibration etc...

The balance is GLP compliant, the user can input all the data required for projects such as date., ID etc..
Users can access to the balance interface with their user-name and password and recall their own profile.

The internal database allows to store and recall the data and results while using the functions. Different user can recall and store their own data.

Among the many functions, the formulation mode allows accurate weighing of multiple samples to mix according to a recipe. The user can set the target value and the tolerance for each sample . The balance will automatically recalculate the amount of every sample in the recipe if the quantity exceeds the set one.
Up to 150 samples and 300 recipes can be stored in the balance.
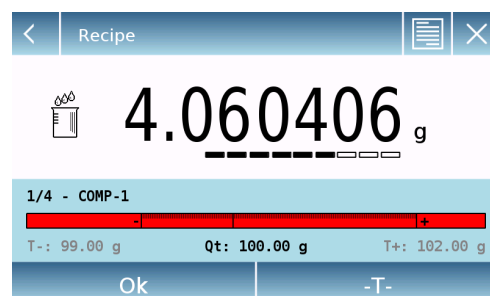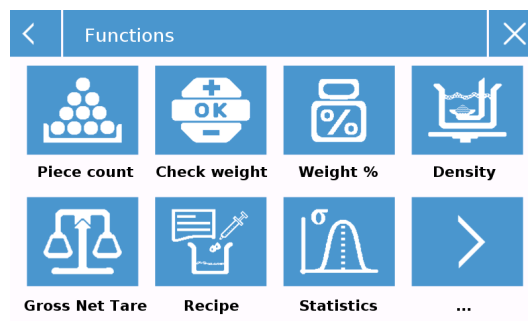
Automatic internal calibration:

The balance can be set to automatic calibrate itself using its internal calibration weight. An interval of time can be set or the balance will automatic start the calibration when feels a change on the environmental temperature.

Technical specifications:

Model	Mu 26i	Mu 66i
Capacity [Max]	2,1 g	6,1 g
Readability [d]	0,001 mg	0,001 mg
Tare Range	- 2,1 g	- 6,1 g
Minimum load	0,1 mg	0,1 mg
Repeatability (St. Deviation) (2 g)	0,004 mg	0,004 mg
Repeatability (St. Deviation) (Max)	0,005 mg	0,005 mg
Repeatability (St. Deviation) typical (2 g)	0,003 mg	0,003 mg
Repeatability (St. Deviation) typical (Max)	0,004 mg	0,004 mg
Minimum weight (USP)	10 mg	10 mg
Minimum weight, typical (USP)	8 mg	8 mg
Linearity Deviation, Typical	± 0,01 mg	± 0,01 mg
Eccentric Deviation, Typical (Test Load):	0,01 mg (2g)	0,01 mg (2g)
Stabilization Time	≤ 8 s	≤ 8 s
Adjustment	Automatic internal	
Typical Sensitivity Offset	± 2ppm/°C	± 2ppm/°C
Display	5 inch color touch screen	
Operating languages	Italian, English, Portuguese, Deutsch, Francaise, Español, Chinese	
Interface	RS232, USB host	
Pan Size	30 mm	
Operating Environment	+15 °C - +30 °C , 45-65% Relative Humidity (non condensing)	
Operating temperature variation rate	± 0,5 °C/h	
Relative humidity variation rate	± 2%/h	
Power Supply (balance)	110-230Vac, 50/60Hz; output 24V 1A multi plug	
Power Supply (ioniser)	110-230Vac, 50/60Hz; output 12V 1A multi plug	
Standard Accessories	Ioniser, E1 class 2 g weight, tweezer, gloves	
Dimensions	480(D) x 165(W) x 205(H) mm	
Wind Shield internal diamenter	165 mm	
Distance pan/top wind shield	75 mm	
Indicator dimension	173(D) x 180(W) x 92(H) mm	

Repeatability is expressed as a standard deviation from 10 weighing cycles.
Stabilization time depends on the external environment conditions.

Others characteristics:

- Weighing Units: Gram, Milligram, Carat, Ounce, Pound, Pennyweight, Troy Ounce, Grain, Hong Kong Teal, Singapore Teal, Taiwan Teal, Momme , custom units
- On-board functions: Piece counting, Check weighing, Percentage weighing, Statistics, Animal weighing, Peak hold, Density determination, Accumulation, Formulation, Textile, Pipette Check
- Multi-user with password protection, Multi-language
- GLP compliant
- Internal Database to store user data and results
- USB port to import/export data
- RS232 serial interface

Accessories:

Anti-vibration granite slab...BL0618
Impact dot matrix Serial Printer TX-110, ISO/GLP compliant........AC030
Thermal Serial Printer TLP-50, with date/time......................................C054
Thermal Serial Printer DPP-250...AC007
Serial to USB converter...E1002
Serial cable for serial output to printer or PC.......................................E743
i-Weight Software kit for data collection and analysis....................BL0476
Factory Calibration certificate...BL0333