

Lybra LG

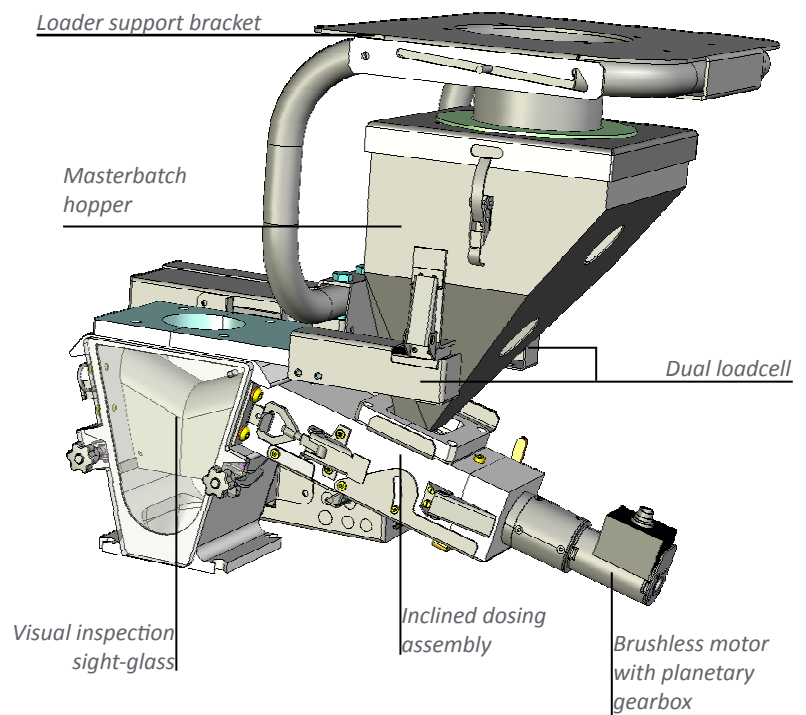
Continuous weight-loss gravimetric units for Masterbatch and Additive dosing

Benefits:

- Control and management of masterbatch consumption.
- Elimination of dosing variations: high level of accuracy and repeatability.
- Wide range of capacities.
- Straightforward user interface with 7" touch screen.
- Data logger for consumption totalizers.
- Connection to remote production management systems.

Main features:

- Proprietary loss-in-weight control.
- Angled auger assembly.
- Central block with smooth internal surfaces.
- Brush-less motor with integrated control and closed loop rotation feature.
- Dual load-cell for masterbatch hopper only.
- 2 configurations: 1 station (LG1) or 2 stations (LG2).
- Dedicated masterbatch loader support bracket.



The unit can accommodate up to two independent dosing stations, which can even be of different capacities and be retrofitted to meet changing production needs. Each dosing station can be configured for individual capacities in the tens of g/h, up to **170 kg/h**. Each dosing station is equipped with a **proprietary loss-in-weight control** to measure the amount of material fed by the dosing screw into the unit's static mixer.

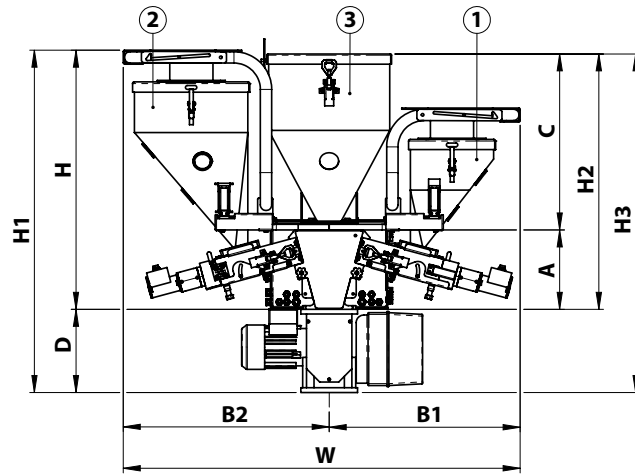
The unit comprises a **microprocessor control system with 7 inch touch screen**. A single screen, with intuitive graphical interfaces, allows the operator to control operation of the whole system, compare preset dosing values with actual values, check instantaneous production values and access all the unit's functions. Connection to external supervision systems (by means of an Ethernet) means settings can be downloaded and exported, while it also provides the option of **controlling the unit remotely**.

Wf Winfactory 4.0
4.0 R E A D Y

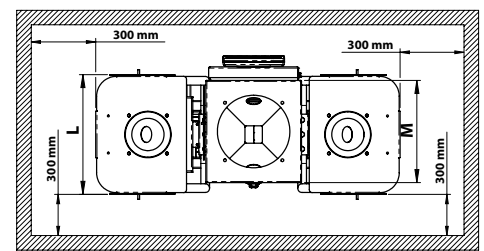
The dosing auger is available in **3 configurations: single, dual or triple helical shaft** for controlling material dosing in low percentages with a high level of accuracy and repeatability.



7" touch screen type HMI



| AUGERS THROUGHPUT* | | | | | | |
|--------------------|---------------------|---------|--------------|--------------|------------|------------|
| n. | Diam. x Pitch mm | Config. | R=28,125:1 | R=50:1 | R=28,125:1 | R=50:1 |
| | | | kg/h | | g/s | |
| 51 | 8x8 | Single | 0,48-3,67 | 0,21-2,04 | 0,11-1,02 | 0,05-0,56 |
| 52 | 10x12 | Dual | 0,90-8,86 | 0,48-4,93 | 0,25-2,46 | 0,13-1,36 |
| 53 | 16x8 | Triple | 1,84-17,80 | 1,00-10,00 | 0,51-4,94 | 0,27-2,70 |
| 56 | 20x15 | Triple | 4,65-43,50 | 2,50-24,23 | 1,29-12,08 | 0,69-6,73 |
| 58 | 25x30 | Single | 7,20-69,91 | 3,87-38,94 | 2,00-19,42 | 1,08-10,81 |
| 59 | 34x30 | Single | 12,24-118,29 | 6,50-65,90 | 3,40-32,86 | 1,80-18,30 |
| 61 | 39x50 | Single | 19,69-191,35 | 10,60-106,60 | 5,47-53,15 | 2,94-29,60 |



Machine shown in its complete configuration

*continuous mode, material bulk density 0,691 kg/dm³

| CHARACTERISTICS | | | STATION (1-2) | | | |
|--|-------|----------------|---------------------|---------|-----|-----|
| Maximum number of materials | - | 3 | | | | |
| Dosing stations 1-2 hopper ø185 capacity | dm3 | 07-12 | Hopper capacity (l) | 7 | 12 | 20 |
| Dosing station 1-2 hopper ø280 capacity | dm3 | 12-20 | A (mm) | 210 | 210 | 210 |
| Mixing chamber capacity (optional) | dm3 | 1 | B1/B2 (mm) | 505 | 545 | 606 |
| Maximum number of auger stations | - | 2 | D (mm) | 220 | 220 | 220 |
| Mixer motor power | kW | 0.18 (230/50) | H (mm) | 533 | 685 | 685 |
| | | 0.22 (220/60) | H1 (mm) | 753 | 905 | 905 |
| Auger station motor power | kW | 0.065 (230/50) | L (mm) | 413 | 413 | 413 |
| | | 0.08 (220/60) | W (mm) | B1 + B2 | | |
| Maximum noise level | db(A) | <80 | | | | |

| CENTRAL HOPPER (3) | | | | | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|
| | TC3 | TC20 | TB5 | TB10 | TB20 | TB40 | T2M | T3M | T5M | T10M | T20M |
| A (mm) | 210 | 210 | 210 | 210 | 210 | 210 | 210 | 210 | 210 | 210 | 210 |
| C (mm) | 278 | 466 | 293 | 435 | 565 | 782 | 231 | 323 | 368 | 434 | 574 |
| D (mm) | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| H2 (mm) | 488 | 686 | 503 | 645 | 775 | 1002 | 441 | 533 | 578 | 644 | 784 |
| H3 (mm) | 708 | 896 | 723 | 865 | 995 | 1222 | 661 | 753 | 798 | 864 | 1004 |
| M (mm) | ø238 | 353 | ø309 | ø309 | ø309 | ø309 | ø193 | ø300 | ø300 | ø373 | ø373 |