

# ROTO MIX 4

UNIFEED SELF-MOVING MIXING TRUCKS



The Bravo srl is an Italian company born 12 years ago in the province of Cuneo from the merger of two leading companies in the field of specific machinery manufacturing for livestock, which are present on the market since the 70<sup>s</sup> and 80<sup>s</sup>: the "ROTOMIX" has been the first Italian company to build self-moving mixing trucks, the "BICIEFFE" is specialized in straw spreader with straw-thrower without turbine and in distributors of sawdust. These productions are still active in the factories of Bravo srl.

The forty years of experience, coupled with the ongoing research and continuous development, has led to the creation of new self-moving mixing trucks of the highest quality **ROTOMIX** which can be clearly distinguished from the competition by the uniqueness of the working method: a cutting process using a powerful silage cutter combined with an exclusive additional and adjustable blade cutting mill.

All unifeed's components are then transferred into a rotary drum with against-screw, which allows to obtain with a minimum use of energy, also thanks to the high cutting speeds, the best unifeed on the market today, incomparable under each appearance: softness, uniformity of mixing, bulk and respect of fiber than cut to size. The whole process is intended to greatly improve the performances of the animals, resulting in lower production costs.

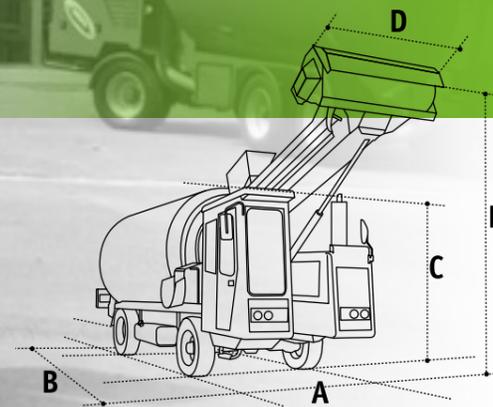


Great power, great capacity

The real stars of the Bravo production are the **ROTOMIX** self-moving trucks mod.7000, 6500 and 6000: the maximum of capacities combined with the great powers of their engines make these machines real "bisons of mixing." In spite of the tonnages, driveability and simplicity of use are the same as the smaller machines. The maximum in productivity for large breedings.



RTX 7000



RTX 6000

RTX 6500

RTX 7000

|                                       |   |                  |                  |
|---------------------------------------|---|------------------|------------------|
| Capacity m <sup>3</sup>               | <b>26</b>   | <b>30</b>        | <b>35</b>        |
| Tot. Width (A) mm                     | 2.540   | 2.700            | 2.700            |
| Working Width mm                      | 2.350   |                  |                  |
| Tot. Length (B) mm<br>opt. long arm   | 10.200<br>+ 40  | 10.200<br>+ 40   | 11.200<br>+ 40   |
| Max Height (C) mm<br>with barrel down | 3.420   | 3.630            | 3.630            |
| Silage Cutter width (D) mm            | 1.800   |                  |                  |
| Ø Silage Cutter mm                    | 590   |                  |                  |
| Lift Arm (E) mm<br>opt. long arm      | 5.000<br>6.000  |                  |                  |
| Axles n°                              | 3   |                  |                  |
| Steering axles                        | Front + Rear  |                  |                  |
| Traction                              | Front   |                  |                  |
| Wheelbase (distance) mm               | 3.420 +<br>1.140  | 3.420 +<br>1.140 | 4.170 +<br>1.200 |
| Tires type                            | 385/55 R19.5 ret.   |                  |                  |
| Speed km/h                            | 15  |                  |                  |
| Power engine                          | from 175hp/129kw<br>to 246hp/181kw<br>6 cylinders Turbo Intercooler |                  |                  |
| Diesel fuel tank lt                   | 320   |                  |                  |
| Empty Weight kg                       | 13.300  | 13.900           | 15.500           |
| Max allowable load kg                 | 7.100   | 8.000            | 9.500            |
| Total Weight kg                       | 20.400  | 21.900           | 25.000           |



RTX 6500



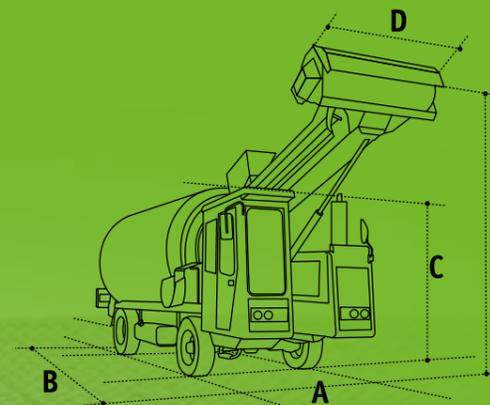
RTX 6000



On request:  
4WD – Double speed  
Road homologation

Ideal for those looking away

**ROTOMIX** mod.4500, 5000 and 5500 are the 'load-bearing' parts of the Bravo production: the large number of vehicles placed on the market has made these self-moving machines some reliable and



**RTX 5500**



**RTX 4500**

**RTX 5000**

**RTX 5500**

|                                    |   |                   |                   |
|------------------------------------|---|-------------------|-------------------|
| Capacity m <sup>3</sup>            | <b>18</b>   | <b>21</b>         | <b>23</b>         |
| Tot. Width (A) mm                  | 2.300   | 2.400             | 2.540             |
| Working Width mm                   | 2.250   | 2.350             | 2.350             |
| Tot. Length (B) mm                 | 9.400   | 9.600             | 9.600             |
| Max Height (C) mm with barrel down | 3.000   | 3.260             | 3.420             |
| Silage Cutter width (D) mm         | 1.800   |                   |                   |
| Ø Silage Cutter mm                 | 590   |                   |                   |
| Lift Arm (E) mm                    | 5.000   |                   |                   |
| Axles n°                           | 2   |                   |                   |
| Steering axles                     | Front   |                   |                   |
| Traction                           | Front   |                   |                   |
| Wheelbase (distance) mm            | 3.420   |                   |                   |
| Tires type                         | 285/70 R19.5  | 385/55 R19.5 ret. | 385/55 R19.5 ret. |
| Speed km/h                         | 15  |                   |                   |
| Power engine                       | da 175hp/129kw<br>a 246hp/181kw<br>6 cilindri turbo Intercooler |                   |                   |
| Diesel fuel tank lt                | 320   |                   |                   |
| Empty Weight kg                    | 10.200  | 10.550            | 11.500            |
| Max allowable load kg              | 5.100   | 5.700             | 6.200             |
| Total Weight kg                    | 15.300  | 16.250            | 17.700            |



**RTX 5000**



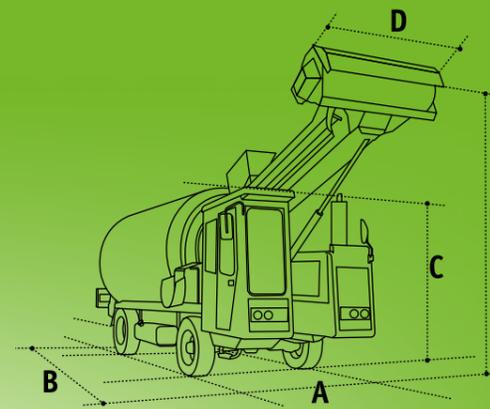
**RTX 4500**



On request:  
4WD – Double steering axle  
Double speed – Road homologation

# Versatility and agility

The **ROTOMIX** mod. 3500, 4000 and 4500L are those used in the companies of the middle zootechnical segment. Most suitable for livestock under development with an always variable number of heads : they guarantee the same results as the "bigger sisters".



**RTX 4500L**



**RTX 3500**



**RTX 4000**

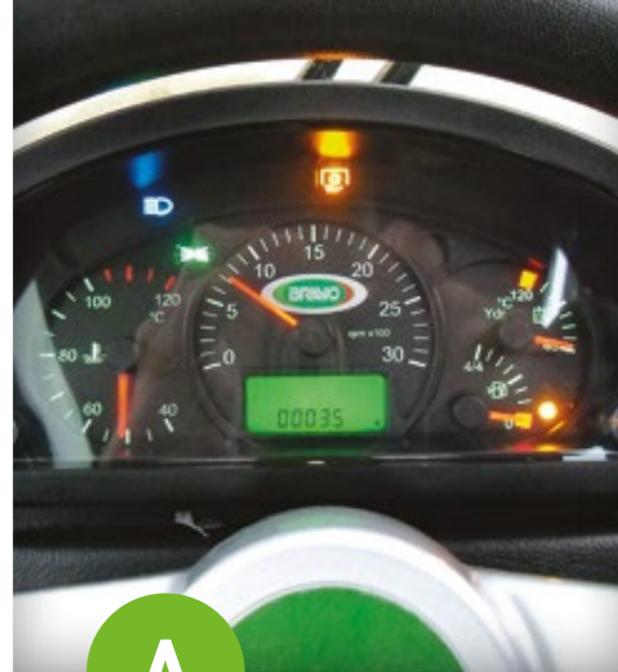


|   | <b>RTX 3500</b>   | <b>RTX 4000</b>              | <b>RTX 4500L</b> |
|---|---|------------------------------|------------------|
| Capacity m <sup>3</sup>   | <b>13</b>   | <b>16</b>                    | <b>18</b>        |
| Tot. Width (A) mm   | 2.100   | 2.200                        | 2.400            |
| Working Width mm  | 2.100   | 2.130                        | 2.150            |
| Tot. Length (B) mm  | 8.300   | 8.400                        | 8.400            |
| Max Height (C) mm with barrel down  | 2.740   | 3.000                        | 3.240            |
| Silage Cutter width (D) mm  | 1.610   |                              |                  |
| Ø Silage Cutter mm  | 480   |                              |                  |
| Lift Arm (E) mm   | 4.500   |                              |                  |
| Axes n°   | 2   |                              |                  |
| Steering axles  | Front   |                              |                  |
| Traction  | Front   |                              |                  |
| Wheelbase (distance) mm   | 2.850   |                              |                  |
| Tires type  | 245/70 R19.5<br>265/70 R19.5                                    | 265/70 R19.5<br>285/70 R19.5 | 285/70 R19.5     |
| Speed km/h  | 12  |                              |                  |
| Power engine  | from 128hp/94kw to 163hp/125kw<br>4 cylinders Turbo Intercooler |                              |                  |
| Diesel fuel tank lt   | 320   |                              |                  |
| Empty Weight kg   | 6.850   | 7.750                        | 8.600            |
| Max allowable load kg   | 3.500   | 4.300                        | 5.000            |
| Total Weight kg   | 10.350  | 12.050                       | 13.700           |
| On request:<br>4WD – Double steering axle<br>Double speed – Road homologation |   |                              |                  |

# ROTOMIX4

## Four steps to get a good result

The cab **1** has been completely redesigned and renovated according to the most recent criteria of ergonomics, functionality and low noise. The systems of forced ventilation and heating systems have been greatly improved and prepared for air conditioning. The comfortable arm chair, the great visibility and the logical layout of controls make intuitive and enjoyable to use the machine in full safety. One of the most innovative cabs in the industry: more glass area, group lights enhancement, shock-resistant bars, front glass negative slope for a constant cleaning, visibility and precision with the rear-view camera **2** for a reverse in total security.



### PROGRAM

Setting up the recipe unifeed directly on the board-computer **3** with the possibility of memory card. The accuracy of weighing is guaranteed by sensors located directly to the base of the barrel.



### LOADING

Load of flours through the hopper at the top **4** or directly on the ground with the silage cutter **5**; load of trace elements through an elevator with electrical conveyor (optional) **6**; loading liquid products using the appropriate system with quick connecting **7**; loading of long fibers (hays, banded, straw) with cut of variable length according to the requirements, thanks to the blade cutting mill at high speed **8 9**; load of silage in trenches **10** through the new silage cutters redesigned for the respect of their physical-organoleptic characteristics.



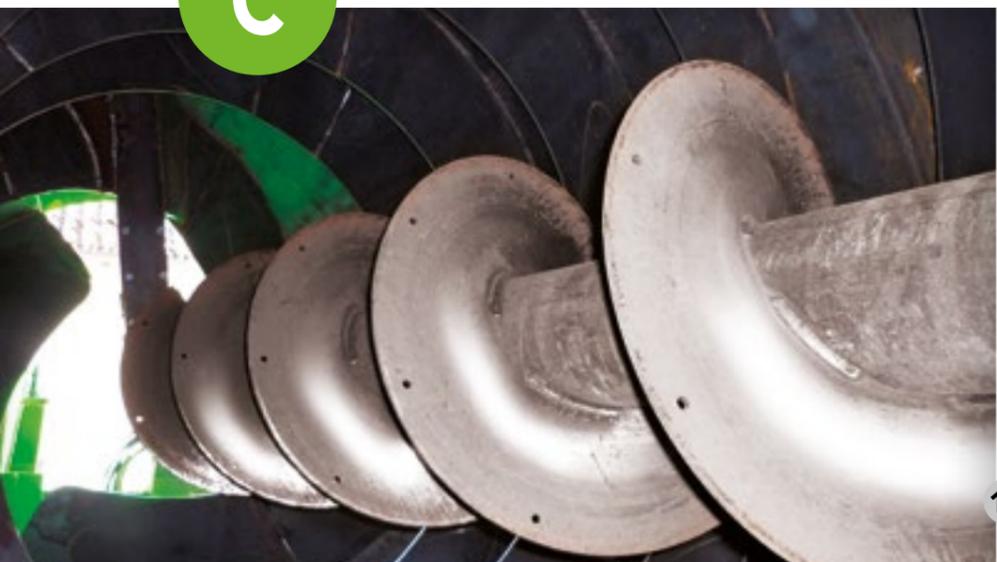


New system of capturing the dangerous metals through three batteries of magnets placed inside the barrel 16 directly on the rear wings at 120 ° one from the other. Taking advantage of the repeated "soft" passages and relapse of the unifeed on magnets, starting from the fiber, you get a near-perfect capture of ferrous elements, lethal to animals.



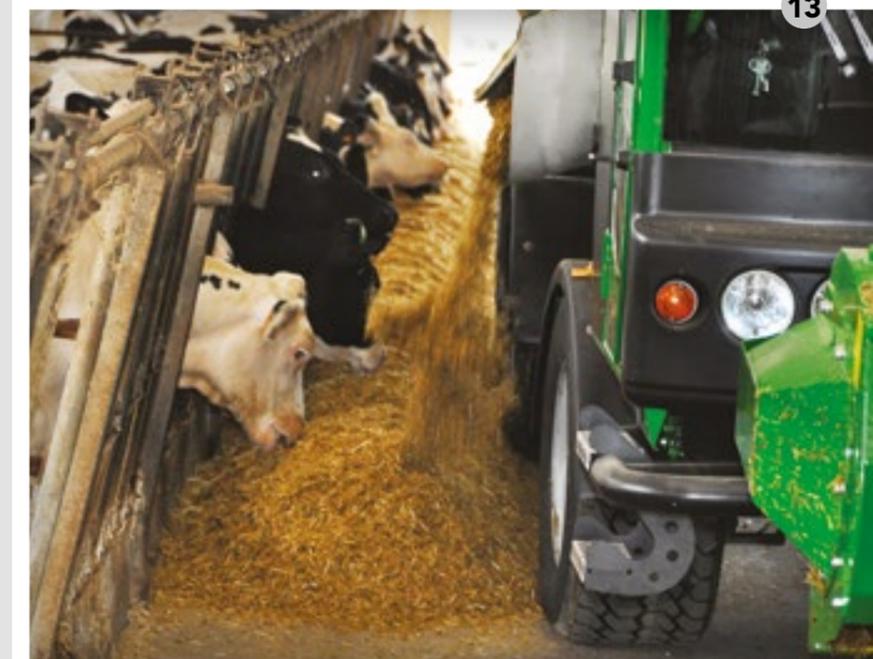
C

D

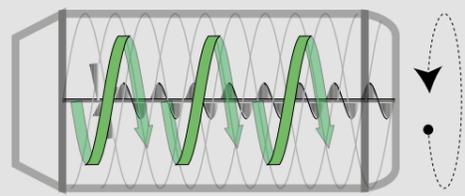


## UNLOADING

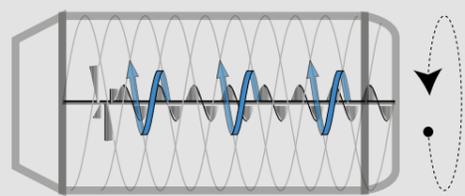
Once ended the load, is sufficient to reverse the direction of rotation of the barrel to obtain, via auger, a dosed and rapid unloading of the compound directly into feeder 13. Possibility of hydraulic extension of the discharge 14.



## MIXTURE



A

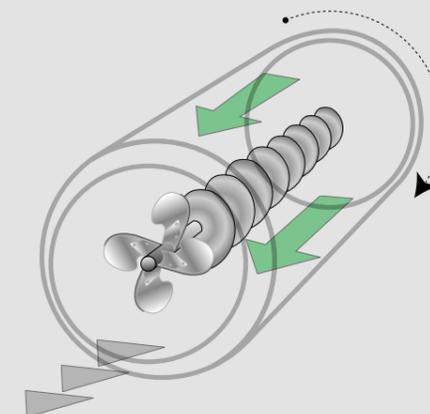


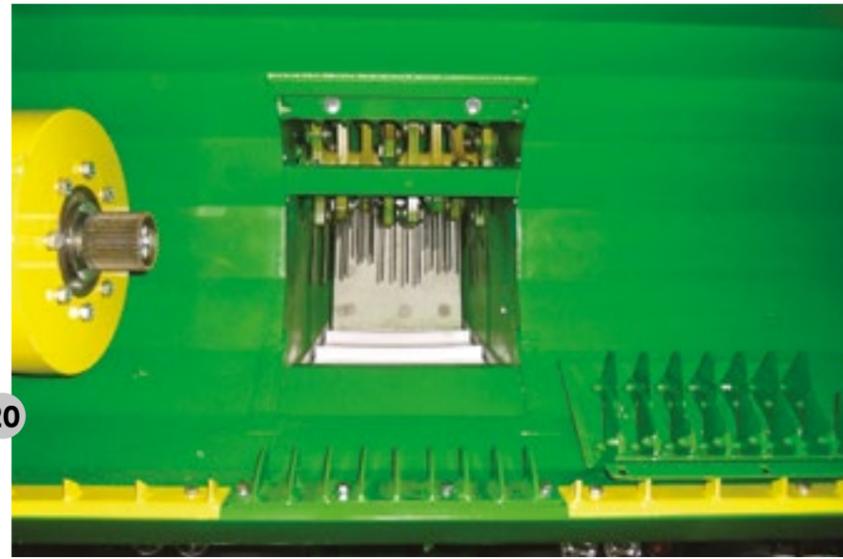
B

The mixing in a rotating barrel against screw 11 is the exclusive system of **ROTOMIX** used by Bravo srl that allows to create a soft voluminous and homogeneous ration, while it preserves the organoleptic specifications of each ingredient 12: the best unifeeds mixing on the market today obtained with the least expenditure of energy, without strength of the fibers, demixing or heating of the mass.

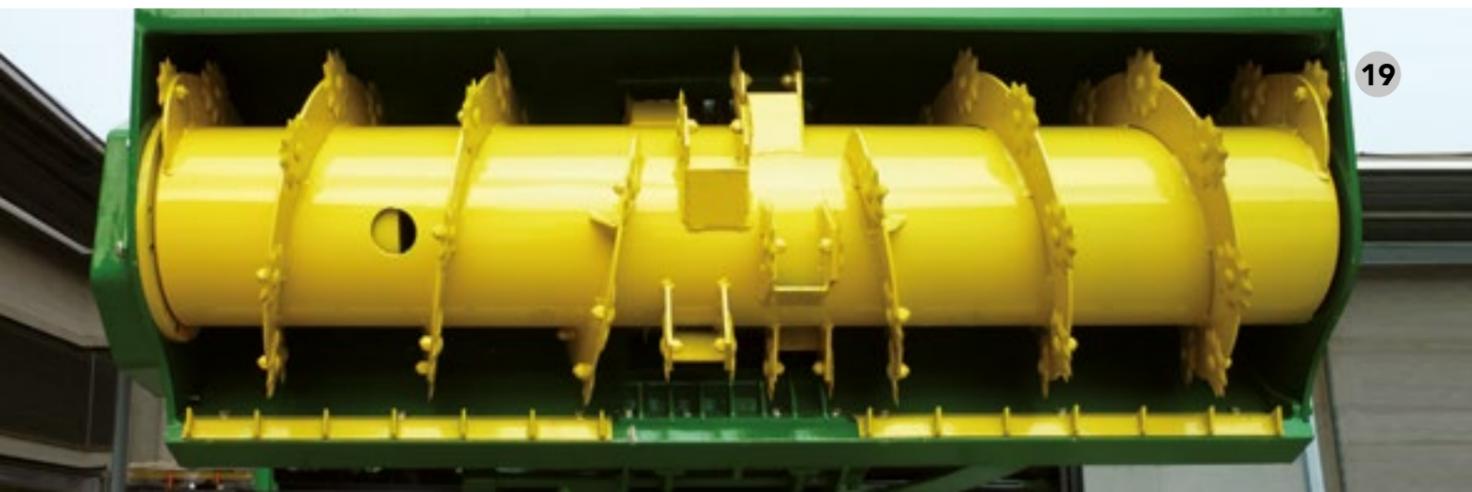
A) the mixture is pushed towards the bottom of the barrel from the system of spirals placed on the inner wall;  
B) the central screw, which rotates in the opposite direction of the barrel, reports the compound toward the exit. The simultaneity of the two movements (A + B) ensures that the mass moves without ever falling back on itself to compact. The result is given by a perfectly mixed product 12 in a full respect of the organoleptic characteristics of the individual components.

Several magnets 15 fixed to the feed auger, in addition to the three batteries of internal magnets (optional) 16 catch any ferrous objects even at the time of final discharge.





Redesigned, faster and more powerful, the new system loader arm **17** + silage cutter **18** **19** + mill **20** respects the structure and integrity of fodder silage. Protection of silage cutter with hydraulic control. The **ROTOMIX4** system assures the lower fuel consumption in its class. The blade mill, with a larger diameter, reaches a clean and extremely fast cut of fibers at the desired length. It is possible to mount a sprinkler system in the milling area **24** and also can close the access to the mixing barrel **25** to minimize the dust.



Quality and safety.  
Power and accessibility



The machines **ROTOMIX4** fit IVECO Motors diesel engines of last generation with a power range between 163/128 hp / kW and 246/181 hp / kw, which provide all the energy required for the hydrostatic system, feeding SAUER DANFOSS pumps and motors. With **ROTOMIX4** maintenances are even more accessible and easy to execute: a single side door allows full access to the engine, hydrostatic pumps, filters and CLEAN-FIX system that ensures consistent and automatic cleaning of the radiator due to the simple reversal of the air's flow **21**. Rear door **22** allows access to transmission systems for barrel and against-mixing screw, to automatic greasing system and it facilitates the cleaning of pre-filter of the diesel engine. You can install a fire protection for the machines used for dry rations **23**.



OHSAS 18001  
BUREAU VERITAS  
Certification



SAFETY MANAGEMENT SYSTEM CERTIFIED



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Dry unifeed

Unifeed with silage

