

ORIGAMI

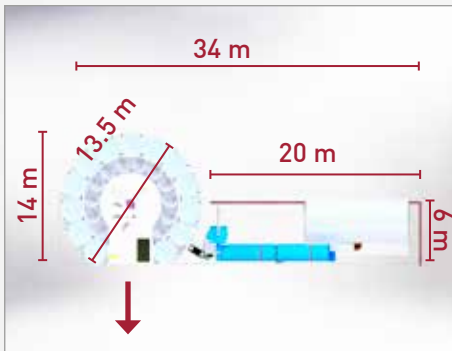
TOWER

ORIGAMI TOWER can handle up to 32 raw materials simultaneously in formula. At zero cross-contamination between batches. Thanks to the innovative dosing system and the innovative mobile turbomixer on 2 axes and single total opening, it is possible to produce gypsum or cement based products in the same plant.



WHY CHOOSE IT?

ORIGAMI TOWER is equipped with the most advanced Personal Factory technologies for dosing, mixing and packaging. Totally configurable, it can process 2 different families of aggregates. The plant is expandable and hyper-standardized. It has only 2 screw conveyors formats. This allows to manage the spare parts warehouse with ease. The distributed intelligence electronics greatly simplifies wiring and subsequent maintenance as well as allowing timely, real-time diagnostics on each individual component. All components work on protocol and interface to our iNephos cloud platform.



| PERFORMANCE | |
|-----------------------------------|--|
| Raw material management | up to 32 at the same time |
| Scale for formula integration | present |
| Finished products portfolio ratio | 100% |
| Productivity | 25 ton/h |
| Typical mixture quantity | 1.000 kg |
| ERGONOMICS | |
| Labor | 1 operator |
| Powder management | centralized vacuum cleaner for dust abatement in plant |
| PACKAGING | |
| Packaging types | bags or buckets |
| Packaging weight | customized size |
| DIMENSIONS | |
| On the ground (m) | <ul style="list-style-type: none"> tower • \varnothing 13,5 X 28H warehouse • 6 X 20 X 7H + 5.3 underground |
| Movement area (m) | • 14 X 34 X 28H + 5.3 underground |

| SOFTWARE & ELECTRONICS |
|--|
| CloudFab 4.0 personalized account iNephos |

| AVAILABLE COMPONENTS | |
|---|--|
| Storage and processing of raw materials | <ul style="list-style-type: none"> up to 2 tanks for unprocessed aggregate loading 1 drum oven for drying of aggregates 1 cyclone of dried powder suppression with filter 1 hammer grinder 1 screen feeding bucket elevator 1 cyclone for aggregate dedusting and selection up to 2 nutation screens for the selection of 2 different aggregates |
| Storage and weighing of raw materials | <ul style="list-style-type: none"> up to 13 silos of 39 cubic metres equipped with screw conveyor, fluidisation horns, 323 mm percussors up to 12 silos of 16 cubic meters with 219 mm screw conveyor up to 3 MOVAHOP PLUS up to 4 MOVAFEED up to 6 raw material scales up to 4 independent scales for primary raw materials 1 secondary raw materials scale 1 formula integration scale |
| Loading of raw materials & safety | <ul style="list-style-type: none"> BB forklift truck (1 unit) double safety gate (1 unit) safety gangway + railing (up to 12 units) cover for unloading area (1 unit) |
| Mixing | <ul style="list-style-type: none"> Origami Pear Mixer with movement on 2 polar axes and 10 positions for loading and unloading nozzle |
| Packaging | <ul style="list-style-type: none"> up to 3 packing nozzles up to 2 VFFS fillers automatic putter automatic palletizer |
| System | <ul style="list-style-type: none"> electric and pneumatic panel centralized vacuum cleaner for dust abatement in plant |