

## Grain hopper

4 slopes to 45°

- Squares of 0,80 to 1,80 meters
- Up to 4 rings
- Height of 1,30 to 6,00 meters
- Volume :  
✓ 250 to 12 000 liters



## Flour Bushels

Cylindrical or with 4 slopes to 60°

- Square of 1,25 or 1,80 meters
- Up to 4 rings
- Rounds ø from 0,8 to 2,50 meters
- Height of 2,60 to 8,23 meters
- Volume :  
✓ 450 to 28 000 liters



## Flexibles silos

From 2 M³ to 50 M³

- Fabric :  
✓ Standard  
✓ Heavy series (carbonate)  
✓ PVC canvas (waterproof)
- Metal galvanized chassis
- Pneumatic filling up or by screw



## Big bag Supports

Trolley or pulley chain

- Painted steel frame
- Capacity 1,5 tons
- Hoppers optional



## Roto-molded hopper

Under silo, Big-Bag bag emptying

- Loading by aspiration
- Loading by screw, flexible screw
- With or without cover

## Hopper for supplements

- Reprise par aspiration
- Reprise par vis, vis souple
- Avec ou sans couvercle

## Distri- Maiz (corn)

Storage / wet corn load

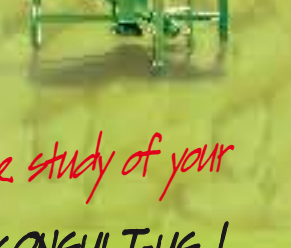
- Bucket loading
- With or without ring
- Screw cleaner removal silage
- Loading by screw ø 160 mm

## Storage units

Your complete units, from the study of your project to the installation



polyethylene: no oxidation, exceptional sliding coefficient



From 60 years, René TOY, is an experience, know-how & equipment from a big manufacture



Your reseller

René TOY - Route des Reclusages, 41800 Montoire sur le Loir.  
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www.toy-sa.com / info@toy-sa.com

## STORAGE

## STORAGE RANGE

Serious and resistant manufacturing

We introduce you our storage and ventilation range. The Machines reliable, solids, economic, designed and manufactured with rigor to meet efficiently all your needs. Simple to use, they fit your production lines for a quick return. Our will: is to provide you the best of technic and the value for money for your profitability, for a good quality of your productions and for a working comfort for you and your teams.

Standards and adaptability  
The design team (designers, electricians, electronic specialists, engineers) adapt our "standards" to yours specifics needs.

Rigorous manufacturing process

The TOY group, are two industrial sites dedicated to design and manufacture. It is a park of advanced machines with 60 employees well trained. It is primarily a rigorous industrial process and general knowledge of humans to achieve an excellent and constant quality in the service of your productivity.

International multi-specialist  
Created in 1952 by Mr. René TOY and his famous "Multi-broie tout" (multi-grind), the SAS TOY company is a specialist recognized in the fields of storage, maintenance, milling, the distribution, food processing system, mixing, pelleting. The company exports, today, its machines and its know-how on the 5 continents.

Storage / Ventilation  
Indoors, outdoors:  
TOY, all the solutions adapted to your needs.

## STORAGE RANGE

TOY, the solutions that benefits you !

René TOY a solution for all volumes



2 slopes : 60°  
4 slopes : 45°

## Rounds silos

Indoors : ø 222 a 800 meters

- Height : from 0,90 to 6,75 meters
- In galvanized sheet, thick 75/100
- Solutions in ventilation :  
✓ different types of masonry
- Numerous accessories

Outdoors : ø 4,00 to 32,00 meters

- Height : de 4,60 a 32,25 meters
- In galvanized sheet, thick 75 a 125/100
- Solutions in ventilation :  
✓ different types of masonry
- Numerous accessories

## Square Silos

"custom" sizes

- Modules 40 to 80 cm.
- Height silo from 2,00 to 6,00 meters
- Ventilation flat storage
- Numerous accessories

## Loading bushels

square bushels

- Steel sheet galvanized thick 20/10
- Sizes : 30,44,58 m³
- Weighing optional
- Loading height ≤ 4,80 meters
- Walkways and ladders crinolines

## Reception pits

2 and 4 slopes

- From 11 to 50 m³
- In galvanized sheet thick 20/10
- Different types of masonry



TOY, the solutions that benefits you !



## STORAGE RANGE

### Round BINS

#### Round indoors Bins advantages :

The indoors Bins Rene TOY are available in a 2,22 to 8,00 meters for heights between 0,90 to 6,75 meters thus allowing storage capacities between 4-370 m<sup>3</sup> per Bin. In corrugated sheet of 75/100 galvanization of 400µ. With or without gatepost according to the height, they are easy to install adapted to all kinds of cereals. Different possible masonry according to ventilation

#### accessories :

- ✓A-Inspection door
- ✓B-loading by screw and/or scraper screw
- ✓C-filtering cover
- ✓Ventilation

Indoor



EASY ASSEMBLY!  
Lifting system rental

### Round BINS

#### Outdoor round Bins advantages :

The outdoors Bins Rene TOY are available in a 4,60 to 32,08 meters, allowing storage capacities between 81 and 24 458 m<sup>3</sup> per Bin. In corrugated sheet of 75 to 125/100 galvanization of 450µ. Gatepost in galvanized profil. Equipped with crinolines ladder, ladder roof railings, doors OS. Masonry, see our ventilation solutions.

#### accessories :

- ✓A-Inspection door
- ✓Loading by screw and/or scraper screw
- ✓C filtering cover
- ✓Door OS - D

Outdoor



Mounting without craning. Lifting brackets rental

### Square Bins

#### Square bins advantages :

Our Bins squares are modular with panels of 40 and 80 cm. Conception block lengths and widths adapted to your request. Our Bins are made of galvanized sheet of 2-3 mm thick external metallic belts and suspenders interiors. Bins blocks can be partitioned, a Bin may measure up to 250 m<sup>3</sup>. Several ventilation solutions are possible: flat bottom, conical...

#### accessories :

- ✓ A Inspection door
- ✓ B Screw loading
- ✓ Ventilation
- ✓ Filtering cover

custom sizes



Ideal for optimizing the storage in existing plants

## Ventilation

A TOY ventilation solution for each installation

### Half sleeve ventilated

Allows flat bottom ventilation inside or a flat storage. The calculation the network half-sleeves is based on volumes and to surfaces ventilate.

### Ventilated Cone

Cone in galvanized perforated plate allowing the ventilation of cereals. Made in sheet of 20 and 30/10. This type of ventilation is ideal for a full emptying. Without contact with the ground grain preservation is optimal.

### Ventilated-cone

In pit 4 slopes or concrete Cone, the aero-cone allows ventilation, optimum grain, a gain of place (volume of the concrete cone). Its principle of operation is the air distribution by reflection on the concrete cone.

### Ventilated blades

For round Bins or flat storage, the ventilated blades are made in galvanized stamped sheet. With a dimension of 7,5 x 30 cm, these allow ventilation by ducts (width 30 cm) in concrete (optional: metal conduit to be sealed. Easy installation, better sealing). The blades ventilated network calculation based on the volume and surface in ventilated.

### Cereal Fan

The TOY Fan is very reliable. Economic to purchase and no maintenance. It is important to choose well the Fan depending on the volume fan to ventilate.

5 models : V3, V6, V8, V12, V15

#### The material :

- ✓ Electric motorization : 2,2 to 15 kW
- ✓ Motor support
- ✓ Magnetic-thermic circuit breaker
- ✓ Connections , straps
- ✓ Wheels



Flows from 4300 to 15000 M<sup>3</sup>/h

Fans 5 power of 2,2 to 15 kW

Models	Power	Flow (M <sup>3</sup> /hour)
Fan V3	2,2 Kw	4300
Fan V6	4 Kw	6500
Fan V8	5,5 Kw	9300
Fan V12	11 Kw	13600
Fan V15	15 Kw	15000

### Extra air fan

Allows extra ventilation of 40 m<sup>3</sup> of cereal over a diameter of 3 meters on flat storage or in small Bins. Standard Length 3+1 meters. 1 meter extension possible.



extra aerator

- Aerator kit grains
- ✓ 1 fan 0,37 kW three-phase
  - ✓ +3 extensions
  - ✓ +3 feet

## Loading bushel

#### advantages :

In galvanized steel sheet high quality thickness 20/10, the loading bushels René TOY exist in 4 x 4 meters for total heights of 8.30 to 10.05 meters and for volumes of 30, 44 and 58 m<sup>3</sup>. With or without roof, installed outside or inside. The loading height below the exit door is 4.53 meters. The bushels are equipped in standard model with a manual outlet.

#### Options :

- ✓Weighing system with electronic display and four gauges
- ✓Boardwalks, crinolines ladder
- ✓Inspection door on the roof
- ✓Opening control of the ground trap-door
- ✓High level probe

30 to 58 m<sup>3</sup> and more slopes to 45° (cereals) and 60° (flour)

Mounting without craning, hand winch rest!



Example of installation with filling by bucket elevator

TOY  
S.A. RENÉ

### Serious and sustainable manufacturing.

With more than 60 years of experience in grinding, we know the specificities of all the types of inputs. All mills RENE TOY, distinguish themselves by the solidity and the resistance of their boxes and deformations even long-term. Made in steel of higher quality and greater thickness each piece is laser-cut and shaped with a very high accuracy. This precision allows our materials offer a great unparalleled longevity.

### Complete installations.

René TOY, multi specialist, offers you a full range of handling material and cereals cleaning. We also control ventilation techniques providing our advice, masonry drawings, material for a maximum cereal conservation and other products. In addition, we install complete storage units of all sizes and flows in France and abroad, from the study to installation support.

## Grain hopper

4 slopes to 45°



#### The material :

In galvanized Steel sheet of high quality, the grain hoppers are available in square of 0, 80 meters, for volumes of 250 to 12000 liters. The standard model is equipped of a square outlet from 160 mm to 50 cm from the ground. Adapted to a great number of accessories: loading Auger, screw start flexible screw, aspiration...

#### Options :

- ✓Outlet height Adjustable (feet's height)
- ✓Raise (maximum 4 raise)
- ✓Cover
- ✓Square Version 1,25 m: handling forklift

## Bushel flour

#### The material :

In galvanized Steel sheet of high quality, the grain hoppers are available in square 1,25 and 1,80 meters, for volumes of 1200 to 12 000. The standard model is equipped of a square outlet from 400 mm to 90 cm from the ground. Adapted to a great number of accessories: loading Auger, screw start flexible screw, aspiration...

#### Options :

- ✓Outlet height Adjustable (feet's height)
- ✓Raise (maximum 4 raise)
- ✓Cover
- ✓Square Version 1,25 m: handling forklift

### Conical Bushels

#### The material :

In galvanized Steel sheet, (outdoor version) or painted (indoor version) flour conical Bushels René TOY available a 0, 60 and until 2, 50 meters for volumes of 450 to 28 000 liters. The standard The standard model is equipped control levels display and of an outlet door (a 300 to 380 mm) to 90 cm from the ground. Adapted to a great number of accessories: loading Auger, screw start flexible screw, aspiration.

#### Options :

- ✓Pneumatic filling up

square with 4 slopes to 70°



cones to 60°

## Reception pits

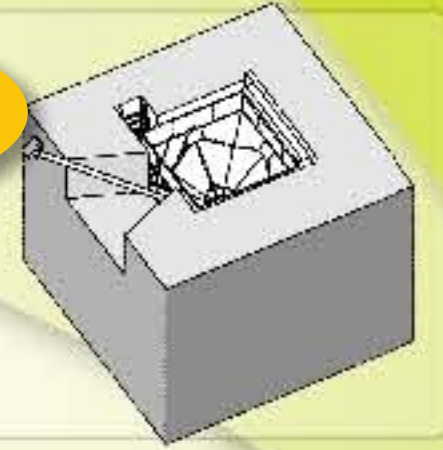
Our pits (4m) are manufactured in galvanized Steel, thick 20/10 for grain reception and other products. For every realization of pit we supply drawings and advice for the masonry.

- ✓Square 4 slopes: taken in masonry
- ✓Square 4 slopes: on feet in concrete formwork
- ✓Square 2 slopes: on feet and concrete formwork
- By auger, elevator, chain conveyor

Loading by : auger, pallets elevator, chain conveyors

4 slopes to 45° or 60°

2 slopes to 60°



## Flexible silos

Standards fabric Heavy series or composite fabric

#### The material :

On a hot galvanized metallic or paint chassis, volumes from 2 to 50 m<sup>3</sup> or square of 3, 50 to 6, 45 m of height. The fabric with filtering cover and bottom to 60° can be Standard (for lights products, either STANDARD (for products less than 0.7 light specific weight) FABRIC HEAVY SERIES (for products with a density of PS ≤ 1.2) COMPOSITE FABRIC in PVC covered cloth (for hydrophilic products of lower density PS 0.9).

#### Options :

- ✓Loading by rigid or flexible auger, aspiration
- ✓bridge breaker,
- ✓Automatic filling up
- ✓Decompression



FROM 2 M<sup>3</sup> to 50 M<sup>3</sup>

### Flour rooms :

Made of especial food fabric with reinforcements sewn, mounted on Epoxy painted metal chassis. Volumes of:

- 3 m<sup>3</sup>: 1,64 x 1,64 x 2,30 m
- 4,5 m<sup>3</sup>: 1,86 x 1,86 x 2,50 m
- 6 m<sup>3</sup>: 2 x 2 x 2,50 m

With Automatic filling up.

SPECIAL milling

- ✓Loading by rigid or flexible auger, aspiration
- ✓Filtering cover,
- ✓Flat bottom or to 45°
- ✓Moto-vibrator (optional)



## Bigbag supports

Bigbag 1, 1,5 and 2M<sup>3</sup>



Up to 1,5 ton

#### The material :

Robust metal chassis painted. Are available in handling version by forklift (sold by unit) or in version chain hoist (sold in single, double or triple). Adaptable to BIG BAG of 1, 1, 5 o 2 m<sup>3</sup>. (Optional hopper, See opposite

Brackets: simple, double or triple

## Roto-molded hopper

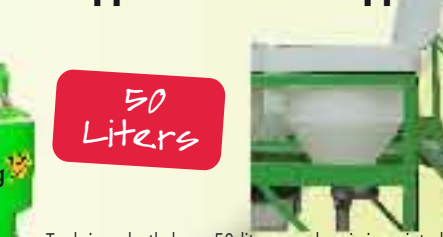
Hopper 250 Liters : The most multipurpose



Under Bin Big Bag bag emptying

50 Liters

### Supplementation hopper



Tank in polyethylene, 50 liters on chassis in painted steel. With a slope of 70° to facilitate product flow, these are equipped with electrical vaults breaks and micro-dosage auger. This are equipped with a stainless steel cover.

#### The material :

- Made of polyethylene with a slope of 70° facilitating the flow of product, facilitating the flow of product, these can be equipped of an electrical or pneumatic arch breaking
- ✓Auger loading, flexible screw, , aspiration
- ✓Weighing system
- ✓Covers

#### Applications :

- ✓Micro dosing (with or without weighing)
- ✓Supplementation (amino acids)
- ✓Cereals treatment

## Distri-mais



- ✓Loading boot stainless painted
- ✓Tank stainless painted
- ✓Loading by galvanized or stainless auger ø 160 mm with gear-motor.
- ✓Cleaner auger

#### The material :

The "distri-mais" with loading by buckets is intended for the unloading of the wet corn on silo corridor, it allows either a soup machine, either a pneumatic food processing system.

## STORAGE COMPLEMENT

### Bagging

René TOY Know-how

René TOY offers a complete range from to the reception to the packaging of your products...

- ✓Bagger auger
- ✓Sawing line
- ✓Bagger auger with weighing (commercial label)
- ✓Bagger...



Sacking auger With or without label  
Sawing line  
Weigher / bagger Under bin

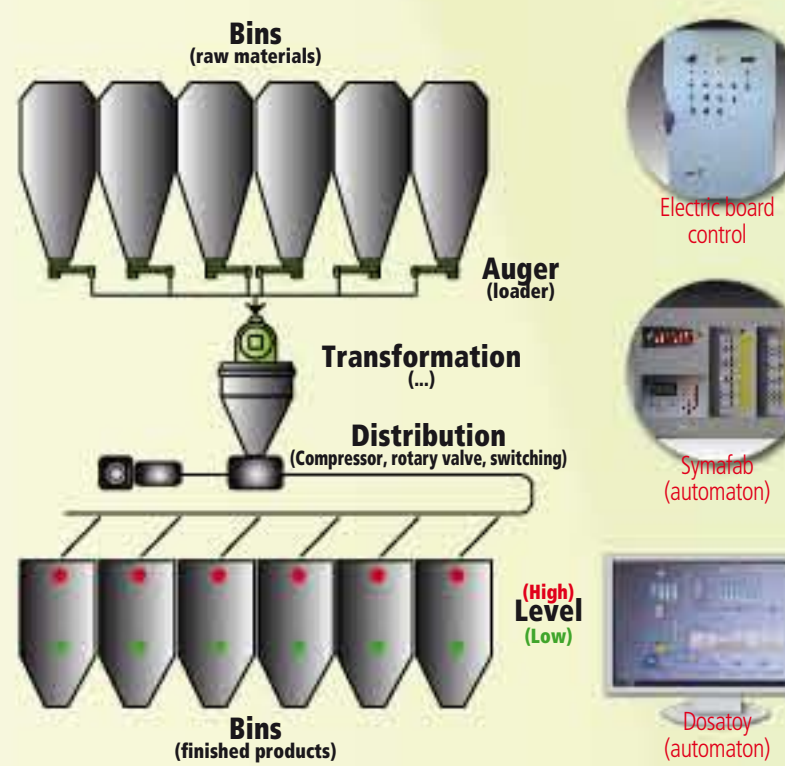
### Automation

René TOY Know-how

#### Electrics and automates

Our experience in multiple storage facilities has led us to develop many management systems for all or part of the phases of a production process.

- ✓Power Boards
- ✓dynamic or fixed Synoptic
- ✓Level control
- ✓Computer Management transfers
- ✓Managing temperature sensors



A specific need? consult our technical commercial department : export@toy-sa.com

www.toy-sa.com