

TOY
GROUPE RENÉ TOY

EQUIPMENT & MACHINES FOR BREEDING & FARMING

FOOD MANUFACTURE

STORAGE

HANDLING

GRINDING

DOSAGE

GRANULATION

DISTRIBUTION

FLATTENING-LAMINATION

**TOY
RATIONS**

MIXING

HUNDREDS OF MACHINES
over 60 years
of experience
MANUFACTURED IN FRANCE

*René TOY, our
solutions increases
your benefits !*

www.toy-sa.com

▶ TOY GROUP MANUFACTURES FOR YOU!

Toy Group, it is 50 years of french manufacturing, progress and innovation providing services to satisfy breeding and farming equipment.

Toy Group, it is 5 sites in france (units production, automatism systems development, maintenance department). It is also more than 500 references of reliable and innovative machines to smooth your production and improve your profitability.

Toy Group introduce you its range of equipment and machinery for storage, handling, grinding, crushing, flattening, lamination, mixing, dosage, mechanical or pneumatic distribution equipment, food manufacture, granulation...

STORAGE

ROUND SILOS / SOFT-WALLED SILOS/HOPPERS / VENTILATION / BUSHEL...

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HANDLING

VERTICAL SCREW, HORIZONTAL SCREW, MOBIL SCREWS, ELEVATORS, CLEANERS...

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GRINDING

GRINDER MILLS, CRUSHERS, FLATTENERS...

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**FLATTENING
LAMINATION**

MIXERS, PNEUMATIC AND MECHANICAL FOOD PROCESSING EQUIPMENTS...

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MIXING

MIXERS FOR RATIIONS DISTRIBUTION / PNEUMATIC DISTRIBUTION...

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FOOD FACTORIES

MECHANICAL DISTRIBUTION...

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DISTRIBUTION

DOSAGE

DOSAGE / GRANULATION FOOD - BIOMASS...

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GRANULATION

OUTDOOR PARK UPKEEP / COMPLETE FABRICATION UNITS...

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OTHERS

TOY Group : PROVIDES SERVICES

MORE INFORMATION, ADVICES, QUESTIONS ?

WWW.TOY-SA.COM

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STORAGE

INDOOR

► CIRCULAR CELLS

Ø 2,22 m to 8,00 m
From 4 to 400 m³



Permanents circulating screws
or mobils for flat bottom silos



► SOFT-WALLED SILOS

From 1 to 30 m³



► VENTILATION

Half ducting for ventilation



Ventilated cone



Aero-cone



Ventilated air space
Flat storage



Grain aerator
to screw



Grain blowers
From 2 to 15 kW.



► ROTOMOLDED HOPPER

250 L
Bridge breaker optional



► GRAIN HOPPER

Galvanized steel



► SQUARE CELLS

All capacities:
ask us!



► FLOUR HOPPER

Galvanized steel



► BIG-BAGS SUPPORTS

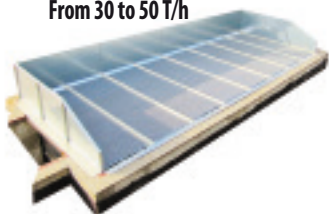
Simple, double, triple



OUTDOOR

► INTAKE HOPPERS

Many possible dimensions
From 30 to 50 T/h



► FULL STORAGE SYSTEMS AND READY TO USE INSTALLATIONS



► GRAINS DRYERS

From 3 to 28T/h



► SILOS ZL/ZLP WITH STRUCTURE

(ZL) From 18 to 808 m³

Ø 2,8 to 8,9M

(ZLP) From 20 to 106m³

Ø 2,8 to 4,0M



► POLYESTER SILOS

From 6 to 31 m³



► FLAT BOTTOM SILOS ZP

From 74 to 6474 m³

Ø 4,50 to 18M



► DISCHARGE HOPPERS

30 / 44 / 58 m³



HANDLING

*indicative flow : depending on cereals type, humidity level, granulometry and installations type

► MOBIL SCREWS

Ø 160, 200, 240 mm



► BUCKET ELEVATOR

Output flow*

30 T/hour to 100 T/hour



► SCREW ELEVATOR

Ø 100 - 125 - 160

200 - 240 mm



► CONICAL SCREW CONVEYOR



Length 1,5 M



Length 3 M

► HORIZONTAL SCREW

Ø 160 - 200 - 240 mm



► **PALLET
ELEVATOR**

Output flow* : 20 T/hour



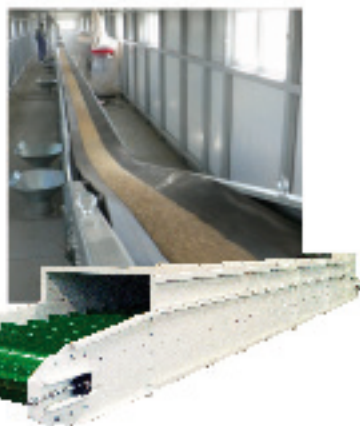
► **CHAIN
CONVEYORS**

Output flow* : from 30 to 100 T/h



► **BELT CONVEYORS**

Length & width on request



► **GRAIN CLEANER**

Output flow* : from 20 to 60 T/h



► **PRE CLEANER**

Output flow* :
from 20 to 60 T/h



► **CONVEYORS BAGS**

Differents lenght
Slick belt or segment contact belt



GRINDING

*indicative flow : depending on cereal types, humidity level, granulometry and type of installations

► CRUSHER AA

1,5 kW single phase

Output flow* from 100 to 200 Kg/h

► CRUSHER BB ON CHEST OR STRUCTURE

5,5 kW

Output flow* from 250 to 500 Kg/h



Output flow* from 40 to 200 Kg/h

► ECO CRUSHER

Single phase 220 V

► CRUSHER

T2, T3, T4

7,5 kW and 11 Kw



Output flows*

T2 from 800 to 1500 kg/h

T3 from 1200 to 3000 kg/h T4 from 2500 to 5000 kg/h

► CRUSHER ETS / ETS-M / ETS+

11, 15, 18,5, 22, 30, 37, 45, 55 kW

Output flow*

ETS from 1500 to 2500 kg/h

ETS-M from 2500 to 3500 kg/h

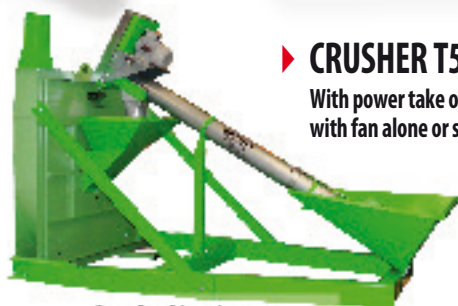
ETS+ from 3000 to 5000 kg/h



BY GRAVITY OR BY LOW PRESSURE

► CRUSHER T5 Combi

With power take off /
with fan alone or screw feed



Output flow* dry grain or wet corn from 3000 to 30000 kg/h

► CRUSHER T-40/60/80-NG

22, 30, 36, 45, 55, 75, 90, 110, 132 kW

INDUSTRIAL MODEL

► CRUSHER TG INOX

11- 15- 18,5 and 22 kW

SPECIAL WET CORN
With new cleaner system

Output flow*
TNG Inox from
500 to 1500 kg/h



Output flows*

T40 from 2500 to 6000 kg/h

T60 from 4000 to 8000 kg/h

T80 from 8000 to 20000 kg/h

▶ FLATTENING

▶ FLATTENER RUBIX

5,5 kW / Double drive

▶ FLATTENER RUBIX 4RX

HARDS PRODUCTS

9 kWw / Double drive

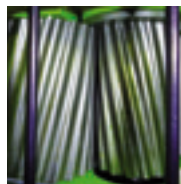
4 cylinders

A pre-crusher + A flattener



▶ FLATTENER AP3, AP18, AP60, AP100

From 0,25 to 1,85 kW



Output flows*

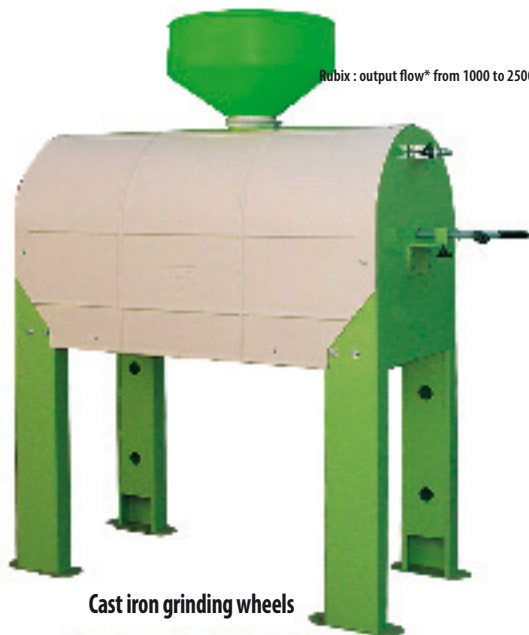
AP3 from 15 to 40 kg/h

AP18 from 100 to 200 kg/h

AP60 from 500 to 800 kg/h

AP100 from 800 to 1500 kg/h

Rubix : output flow* from 1000 to 2500 kg/h



Cast iron grinding wheels



*Indicative flow : depending on cereal types at 15% humidity, regarding tightening and installation types

▶ ROLLING MILL

From 2 x 3 kW to 2 x 18,5 kW

Cylinders Ø 500 or 800 mm

Width 200 to 1000 mm



Output flows*

500X200 from 700 to 1500 kg/h

500X400 from 3000 to 5000 kg/h

800X400 from 4000 to 5500 kg/h

800X1000 from 8000 to 11000 kg/h

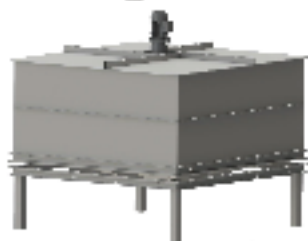
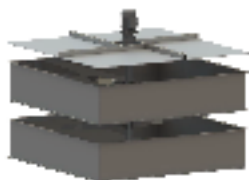
MIXING

▶ HORIZONTAL MIXER

From 120 L to 20 M3



Horizontal mixers :
with double throated coils or with blades



▶ VERTICAL MIXER

From 650 L to 15 M3

Archimedes
screw



Bridge
breaker
knife



▶ TUBE MIXER From 1200 L to 4,5 M3



▶ STAINLESS STEEL TANK FOR SOUP MACHINE

From 2000 to 8000 litres useful

TECHNICAL CHARACTERISTICS

- Specific industrial gear motor
- Agitator with double blades speed
- Tank with modular extensions
- Frame + subframe

A REVOLUTIONARY TANK!

Other capacities : ask us!

ADVANTAGES

- ▶ No superior or inferior bearings
- ▶ Agitation regarding fill-height
- ▶ Evolutive capacity
- ▶ Weighing indicators raised (aboveground)

▶ FOOD FACTORIES

▶ ROLLING MILL MIXER



Output flow* from 600 kg/h to 10 T/h

▶ FLATTENER MIXER



Output flow* from 600 kg/h to 1000 kg/h

▶ VERTICAL CRUSHER MIXER

Output flow* from 800 kg/h to 5 T/h



▶ HORIZONTAL CRUSHER MIXER

Output flow* from 800 kg/h to 5 T/h



*Indicative flow : depending on formulas and installation types

▶ INCLINED CRUSHER MIXER MBC 450

Output flow* from 450 to 1300 kg/h



▶ FALIP From 500 Kg to 5 T/h Pneumatical intake and discharge



**PNEUMATIC FEED
PROCESSING SYSTEM**

▶ FALIP DOUBLE From 3 to 10 T/h Pneumatical intake and discharge



▶ FOOD MANUFACTURES COMPLETE INSTALLATIONS UP TO 50T/HOUR

ALIPLUS FEEDING UNITS



▶ ALIMIX

From 15
to 25 T/h

CERTIFIED FOR ROAD



Certified model for road with big flows. Included : crusher/blades mixer. Weighing and dosage non-stop (indicative flows from 15 to 25 t/hour)

▶ ALIFLOC

From 500
to 1000 Kg/h



Fixed position model : flattener/blades mixer/with water induction and complement hopper (indicative flows from 500 to 1000 kg/hour)

Aliplus informations: www.france-aliplus.fr

▶ MIXING / DISTRIBUTION

OF RATIONS

▶ VERTICAL MIXING TANK 1 SCREW (VERTIMIX)

FROM 6 TO 16 M³



**WARRANTY
5 YEARS!**

▶ VERTICAL MIXING TANK 2 SCREWS (VERTIMAX)

FROM 15 TO 30 M³



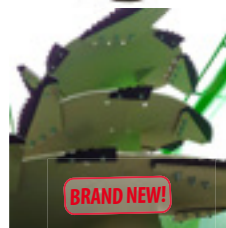
PREMIUM EQUIPEMENTS ON REGULAR MODELS

TECHNICAL CHARACTERISTICS

- Slicks tanks (no fold)
- Large sizes screws/many knives
- Reducers & industrial transmission 2 speed gearbox
- Two-ways conveyors
- Electrical Weighing and remote control

ADVANTAGES

- ▶ Quick and homogeneous mixture
- ▶ Clean and quick hashing
- ▶ Machine with low tie rod
- ▶ Right or left distribution
- ▶ Scheduling and easy using



BRAND NEW!

Option : super chopper screw

▶ PORTABLE TANK TRUCK TYPE SCREW

From 6 to 25 M³ - 360° rotation

CERTIFIED FOR ROAD

DOUBLE OR SINGLE AXLE
1 OR 2 ROOM

Weighing system :
cell precision, junction box
and reading indicator.
Many devices availables
(manuals or programmables)



▶ DISTRIBUTION

PNEUMATIC

TECHNICAL CHARACTERISTICS

- Output flows from 1.5 to 3t/hour and more
- Distribution to one or many feeders
- Mixer scale to prepare rations
- Totally emptying of system, no crossing of food
- Quantity weighing same as output
- Until 70% wet corn incorporation (to 35% humidity)
- Multiphases automatism
- Electrical power from 5.5 to 11 kw



► FLEXIBLE SCREW CONVEYORS Ø 60 and 90 mm



**PIPES AND BENDS IN
GALVANIZED STEEL OR PVC**



► MULTI PHASE PRODUCTIONS

Cupboard and PLC are adapted for every installation for manual or automatic productions (bi-phases or multi-phases). They allow a varied and evolutive feeding according to each kind of animals and depending to their stage of growing.

Automation allow to drive nourishment
from PC or robot for :

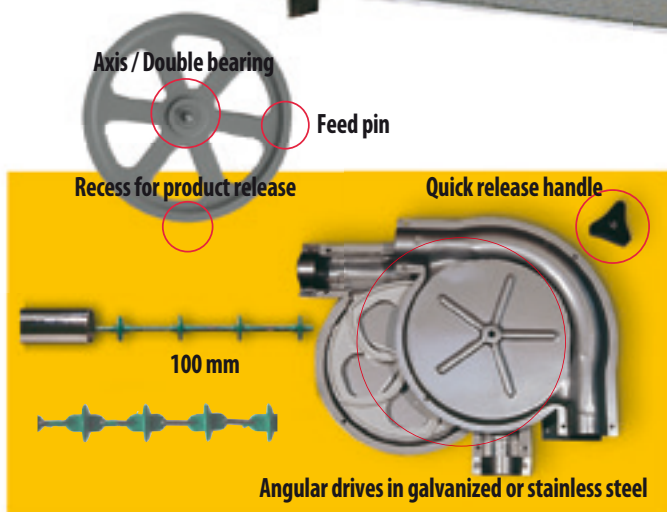
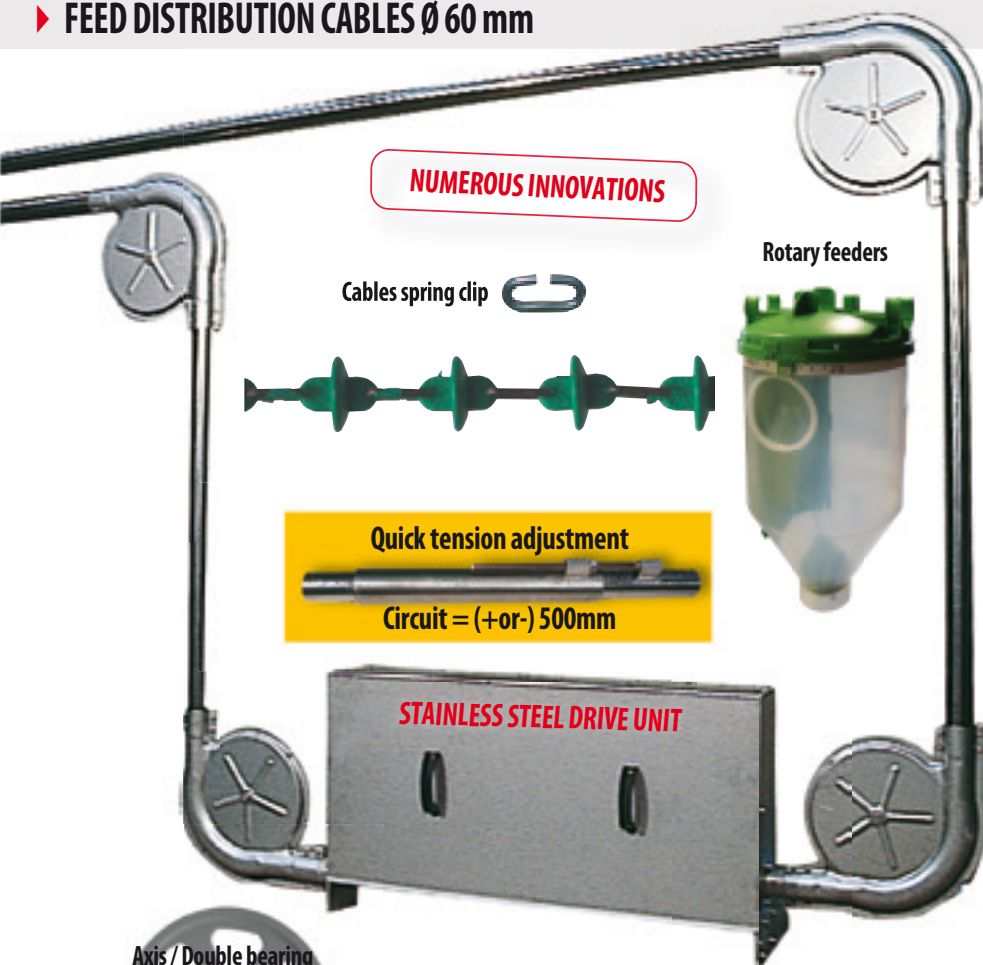
- Daily specific rations control
- A sharp distribution by output or output group with individuals mixing and multi-phase distribution
- Emptying management between rations/recipe
- Traitments and dietary supplement followed for healthy breeding

**TOY, AUTOMATION ADVICE
FOR YOUR PRODUCTIONS!**



Automates / control box

► FEED DISTRIBUTION CABLES Ø 60 mm



Quality equipment suitable for indoor or outdoor

DOSAGE

WEIGHING



100 grams

Formulas manufacturing
(Minerals, vitamins and amino acids)



10 grams



Weighing frame



Strain gauge

AUTOMATION

For automation of all tasks in - storage, handling, food manufacturing, distribution - processes



Automates (Symafab)



Control cabinets

PC CONTROL

Dynamic synoptics



PC control
(on-site control and remote control)



▶ GRANULATION

▶ GRANULATION UNITS (FEED)

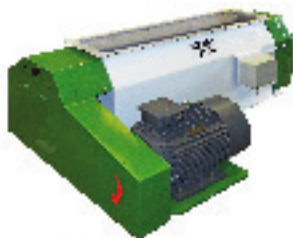


Full plants



Pellet press (400kg to 12 T/h)

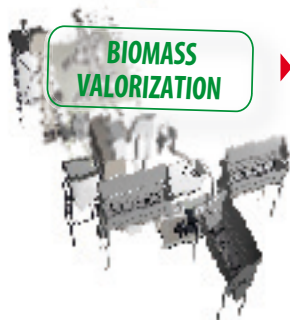
Crumbler



Screener



Cooler



**BIOMASS
VALORIZATION**

▶ UCG GRANULATION (BIOMASS)

UCG Compact Granulation Unit :
biomass energy valorization of
your co-produced in short
supply chain



▶ PARK UPKEEP EQUIPMENT

▶ FRAME SAW

**EUROPEAN SAFETY
STANDARDS**



Thermal
engine model



tractor power take-off
model available



Electric
motor model

▶ CADET CRUSHER



Thermal
engine model

Electric motor tri or
monophased available

BRANCH CRUSHER

▶ BROITER CRUSHER



▶ JUNIOR CRUSHER



Version prise de force
(tractor power take-off model available)



Thermal engine model

▶ COMBI CRUSHER



Electric motor
from 5,5 to 30 kW

▶ BROITER CRUSHER 400 / 800



48 flail hammers or up to
156 straight hammers

OTHER

INSTALLATION OF FULL SYSTEMS



France



China



Ukraine



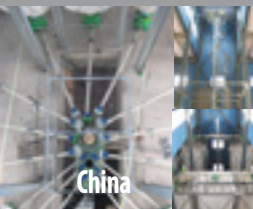
Ukraine



Algeria



Chine



China



China



Chine



Romania



China



Tunisia



Ukraine



**RENÉ TOY MAKES YOUR
SOLUTIONS SINCE 1969**



► **ENGINEERING DEPARTMENT**

You have special requirements ?
Our engineering department will study
you needs and will find the most
successfull and innovative solution...

► **FIND OUR RANGE OF PRODUCTS AND OUR KNOW-HOW ON INTERNET**

Further information ? Further references ?
Visit our website : www.toy-sa.com You will find
supplementary information on our offers...



WWW.TOY-SA.COM

**STORAGE
HANDLING
GRINDING
FLATTENING
LAMINATION
MIXING
DOSAGE
DISTRIBUTION
FOOD MANUFACTURES
GRANULATION**

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