

# ROTARY TILLERS AND STONE BURIERS





### HIGH STRENGTH STEEL

All Alpego machines use the best **steel to reduce weight and increase work performance**, this maximizing both consumption and operating costs. This has a great impact on environmental sustainability as well.

**WE HAVE CREATED A COMPLETE SYSTEM BECAUSE HAVING THE BEST STEEL IS NOT ENOUGH.**

The sticker "ALPEGO INSIDE" on all machines, certifies the **high quality** of Alpego's products. An union of **first quality materials**, **eco-sustainable coating** process and **certified welding** that guarantees an **exceptional durability and quality over the years**.



### ECO PAINTING

A unique system of its kind throughout Europe, which allows **each component to be painted with the most suitable process and in full respect for the environment**. The paints used, in fact, are water-based and powder-based and do **not produce emissions of VOC** (Volatile Organic Compounds).



### CERTIFIED WELDING

For more than twenty years the exceptional durability of Alpego structural components has been guaranteed by the effectiveness of **welds made by highly qualified personnel in accordance with standardized processes certified by the National Welding Institute**.

# The advantages of our rotary tillers

The details that make the difference

Thanks to their multiple advantages, Alpego rotary tillers and Stone Buriers ensure intensive soil tillage in any condition, both in heavy and stony soils.

## Alpego Central Transmission

The whole range of ALPEGO rotary tillers is equipped with the exclusive and patented central gear transmission

The transmission gearbox is designed and built by Alpego. It consists of a speed gear change, which makes it possible to change the rotation speed and of a series of gears transmitting the motion to the rotor. The vertically arranged gears made of cast iron work constantly in contact with the moving soil, which allows a natural heat dispersion.



*"I started designing rotary tillers more than 40 years ago and have always seen lateral transmission as a limit. I therefore created the Alpego central transmission which was an alternative and revolutionary solution."*

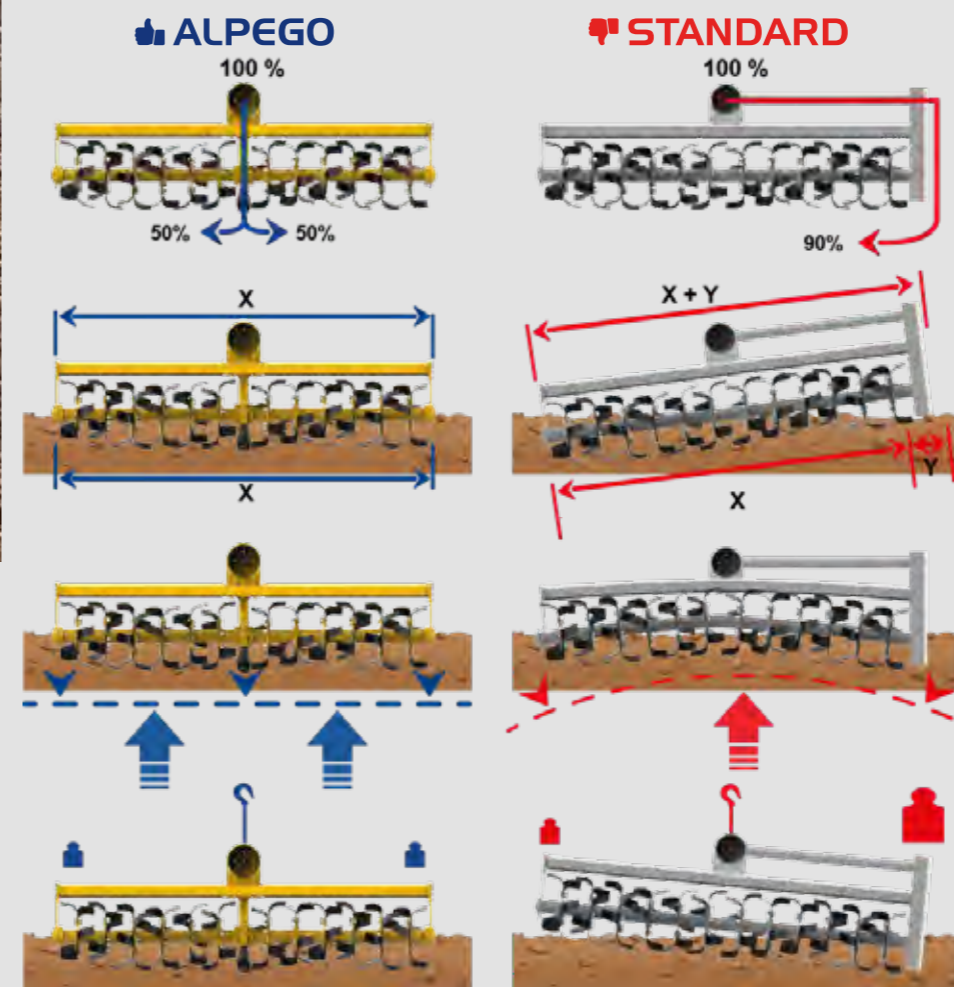
Luciano Pegoraro  
Ceo



**1 HIGH TENSILE STEEL FRAME**  
The width extension of the frame guarantees a much higher resistance to loads than the standard ones. The Alpego frame, instead of being screwed, is welded and guarantees further resistance to workloads reducing the possibility of breakage in difficult conditions.

**2 MECHANICAL SEALS**  
Central and lateral mechanical seals in oil bath to ensure maximum protection to the transmission in every working condition, safeguarding the rotor from water, mud and dust. This system allows the rotary tiller to be used even in submerged rice fields.

**3 CENTRAL TRANSMISSION**  
The whole range of ALPEGO rotary tillers is equipped with the exclusive and patented central gear transmission, completely designed and manufactured in Alpego.



- In the ALPEGO solution, the rotary power is equally transmitted from the center of the machine to 2 semi-rotors. This guarantees maximum reliability and low power absorption unlike the standard solutions in which it should be dissipated by the transmission itself.

- The working width of the machine is equivalent to the overall width since the overall dimensions (no lateral transmission).

- Unlike the competition which provides only 2 support points for the rotor, the patented Alpego system with 4 support points allows to reduce the flexion on the rotation axis by drastically decreasing the loads on the transmission.

- The absence of the lateral transmission allows an optimal weight balance on both sides and the lack of the lateral transmission guarantees a constant working depth.

Stone burier with blades rotor and reverse rotation for tractors up to 170 HP and working width up to 3m

Inversa



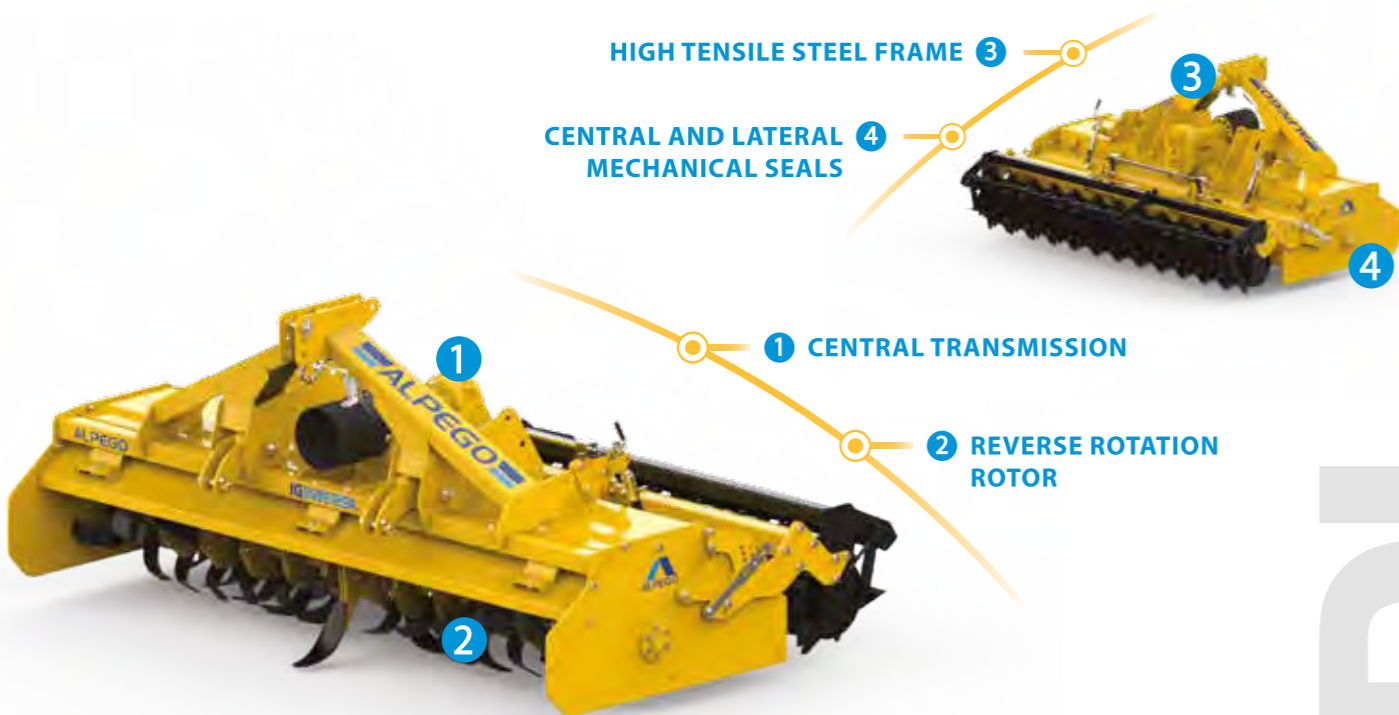
IG stone burier, specifically designed to bury rocks, clods, and residues in the most efficient way. It allows to bring back to the surface the lightest part of the soil allowing for an easier sowing. Unique with its central gear box of solid gears.

Stone burier with blades rotor and reverse rotation for tractors up to 280 HP and working width up to 4m

Inversa

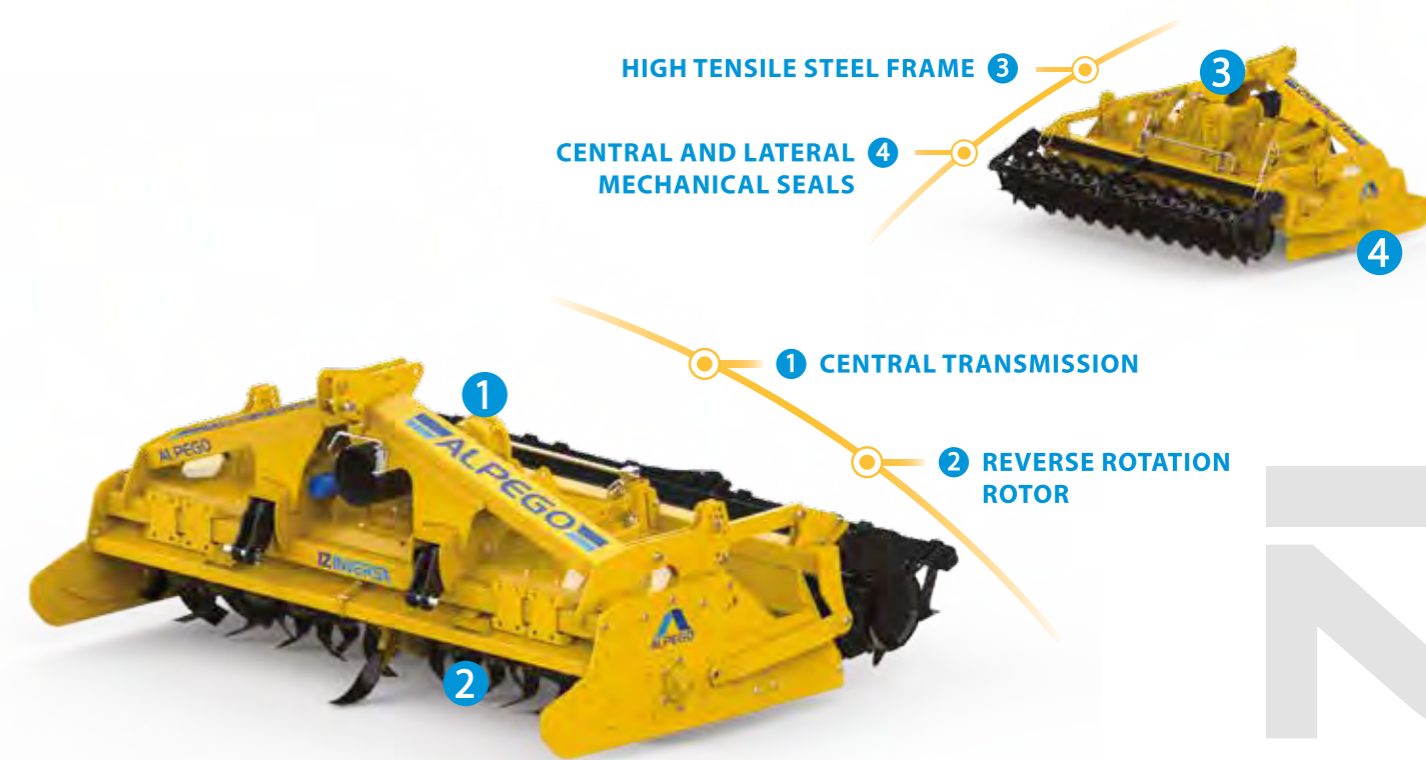


IZ stone burier is ideal for burying stones, clods and crop residuals. It allows to leave the thinner soil on the surface making easier the following seeding processes. The Inversa is the only one of its category thanks to the Alpego patented central gearbox with solid gears.



	IG-250	IG-300
Working width (mm)	2440	2910
Transport width (mm)	2550	3020
Tractor power (HP)	90-170	100-170
Working depth (mm)	240	240
Rotors (n°)	10	12
Blades (n° rh + n° lh)	30+30	36+36
Weight with Packer roller (Kg)	1350	1635
Weight with Cage roller (Kg)	1220	1460
Weight with Spiral roller (Kg)	1250	1495
Weight with Spike roller (Kg)	1225	1475

N.B.: the weight includes the slip clutch drive shaft



	IZ-300	IZ-360	IZ-400
Working width (mm)	2930	3635	4020
Transport width (mm)	3015	3719	4104
Tractor power (HP)	140-280	150-280	160-280
Working depth (mm)	250	250	250
Rotors (n°)	12	14	16
Blades (n° rh + n° lh)	33+33	42+42	48+48
Weight with Packer roller (Kg)	2150	2450	2570
Weight with Cage roller (Kg)	1955	-	2300
Weight with Spiral roller (Kg)	1980	-	2350
Weight with Spike roller (Kg)	2000	-	2325

N.B.: the weight includes the slip clutch drive shaft

### 1 CENTRAL TRANSMISSION

The whole range of Alpego rotary tillers is equipped with the exclusive and patented central gear transmission in oil bath. Designed and built by Alpego, the vertically arranged gears made of cast iron work constantly in contact with the moving soil, which allows a natural heat dispersion. There is also a gearbox to vary the rotor rotation speeds.

### 2 REVERSE ROTATION ROTOR

Combined with a sorting grid and a levelling bar, it allows to bring the refined soil back to the surface.

### 3 HIGH TENSILE STEEL FRAME

Frame made of high quality steel to ensure maximum resistance.

### 4 CENTRAL AND LATERAL MECHANICAL SEALS

Mechanical seals in oil bath to ensure maximum transmission protection even in extreme conditions.

### EQUIPMENT

Linkage cat. 2 / Gearbox 1000 rpm / Slip clutch or automatic cam clutch drive shaft (NOT AS STANDARD) / Central track eraser.

### 1 CENTRAL TRANSMISSION

The whole range of Alpego rotary tillers is equipped with the exclusive and patented central gear transmission in oil bath. Designed and built by Alpego, the vertically arranged gears made of cast iron work constantly in contact with the moving soil, which allows a natural heat dispersion. There is also a gearbox to vary the rotor rotation speeds.

### 2 REVERSE ROTATION ROTOR

Combined with a sorting grid and a levelling bar, it allows to bring the refined soil back to the surface.

### 3 HIGH TENSILE STEEL FRAME

Frame made of high quality steel to ensure maximum resistance.

### 4 CENTRAL AND LATERAL MECHANICAL SEALS

Mechanical seals in oil bath to ensure maximum transmission protection even in extreme conditions.

### EQUIPMENT

Linkage cat. 3, oscillating / Gearbox 1000 rpm / Slip clutch or automatic cam clutch drive shaft (NOT AS STANDARD) / Central track eraser.

# The choice of accessory

The right accessory for every situation



TRACK ERASER KIT



KIT MOUNTING BROADCAST SEED DRILLS



REAR HOOD SIDE EXTENSIONS



HYDRAULIC DEPTH ADJUSTMENT



HYDRAULIC LINKAGE FOR SEED-DRILL



KIT REAR PTO



KIT SKIDS



KIT FRONT CONVEYOR DISCS



FRONT COUPLING KIT

Accessories and rollers	FB	FG	FZ	FG BIO	LG/ KG	LZ/ KZ	IG	IZ	MX	POKER	POKER INVERSA
Track eraser kit											
Kit mounting broadcast seed drills											
Rear hood side extensions											
Hydraulic depth adjustment											
Hydraulic linkage for seed-drill											
Kit rear pto											
Kit skids											
Kit front conveyor discs											
Front coupling kit											
Packer roller											
Cage roller											
Spiral roller											
Spike roller											
Smooth roller											

Optional Standard Not available

# The choice of the roller

For a perfect soil tillage



PACKER ROLLER

The PACKER roller has a tubular structure with a large diameter: this makes it very sturdy and particularly suited for the combinations with seed drills. Several rows of tines guarantee the traction on the ground and a series of adjustable brushes keeps each of them clean. The result is a compact surface, perfect for sowing. (ø 480 mm, 520 mm e 570 mm)



CAGE ROLLER

CAGE roller is the ideal roller for working dry, medium density soils. The roller is equipped with a rod structure that guarantees optimal reconsolidation. (ø 420 mm and 500 mm)



SPIRAL ROLLER

The SPIRAL roller creates a soft and uniform seeding surface and is suitable for medium and light soils. (ø 450 mm and 520 mm)



SPIKE ROLLER

The SPIKE roller is very versatile, it works well even when the soil is wet and compacted. (ø 480 mm and 560 mm)



SMOOTH ROLLER

This type of roller is used to make the seedbed compact and flat.

**FOLDABLE POWER HARROWS**

120 - 500 HP



**RIGID POWER HARROWS**

35 - 320 HP



**SUBSOILERS**

75 - 500 HP



**ROTARY TILLERS AND STONE BURIERS**

75 - 500 HP



**SEED-DRILLS**

75 - 320 HP



**FRONT HOPPERS**

120 - 500 HP



**CULTIVATORS**

120 - 300 HP



**FLAIL MOWERS**

40-220 HP

