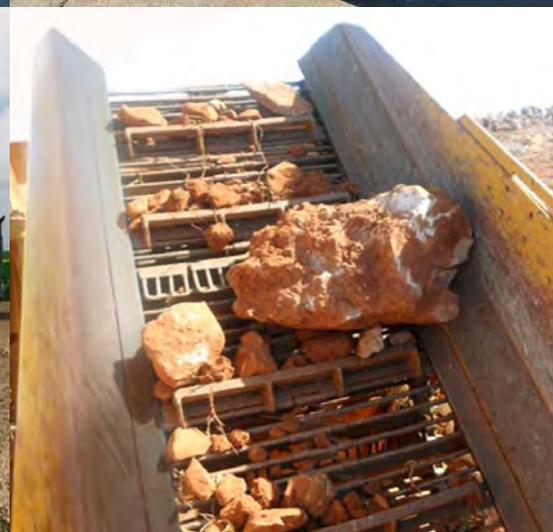




2020

# ROCK PICKERS

Born in Spain, grown in your field!!





When the field is worked, the stone tends to rise to the surface, making the work of the ground more difficult. It is important to remove as much stone mass as possible, to optimize the harvest. Up to 25% more yield can be achieved in the next harvest.

#### AGRICULTURAL HOLDINGS



Land cleaning; rock, stones, roots, bushes and remains of vegetation. Depending on the amount of material will be made one or more passes.

#### LAND RECLAMATION



Superficial rockpicking, (20 cm maximum depth), from the ground to collect the exposed mineral, (particularly quartz).

#### SURFACE MINING



The presence of stones dragged by the sea or by different atmospheric phenomena favors the presence of rubble, bacteria and fungi, which are harmful to the health, therefore the extraction of these stones is not only important for the comfort of bathers if not also for your health.

#### BEACHES



Restoration of ecosystems altered by earth movement. A series of tasks must be carried out to facilitate the implementation of the vegetation. This group of operations includes a light compaction by roller passes, deep raking, leveling, stripping, and plowing among others. Carrying out these actions also depends on the type of revegetation to be carried out later.

#### LAND RESTORATION

# BENEFITS OF ROCK PICKING

## THE SOIL HOLDS MORE WATER

It is perhaps the most important benefit of cleaning the soil.

We should think of the soil as a big sponge to hold the water.

If you have a thin sponge it will soak up a little water, a thicker sponge will hold more. Now if you have a sponge with a lot of stones, it will hold less water, so you will have to spend water more often or the crop will suffer.

## ROCK PICKING

With our machines you can remove all stones from 16 mm to 1 meter and a half. All in one pass.

## MACHENERY MAINTENANCE

After rockpicking the soil, it would be less abrasive. Tillage or plowing work will not be affected by wear. Cost reduction in spare parts and machinery.

## BETTER GERMINATION

As an example, experience in rock picking sugarcane fields which has shown us that cane sticks that are in direct contact with the ground germinate much better, and earlier than those with stones in between.

# ROCK PICKERS TRIGINER

## MACHINES BUILT FOR THE WHOLE LIFE

### ROCK PICKING

The rock pickers TRIGINER are machines designed to work in extreme conditions, always offering the best performance. They are unique in the world, as it works in depth, removing rocks which are buried up to 50 cm and also the stones that are already on the surface.

It collects stones and rocks from 16 mm. to 170 cm. up to 50 cm. depth, in one single pass, depending on the model chosen and depending on the tractor HP.

The rock pickers TRIGINER are machines designed to work in extreme conditions, always offering the best performance.

For all kinds and rock sizes. Rocky grounds processed into crop fields.

Machines operated by the PTO at 540, 750 and 1.000 r.p.m.

Collection of stones and rocks from a lift chain of endless movement, which collects, separates and elevates the stones into a stone tank.

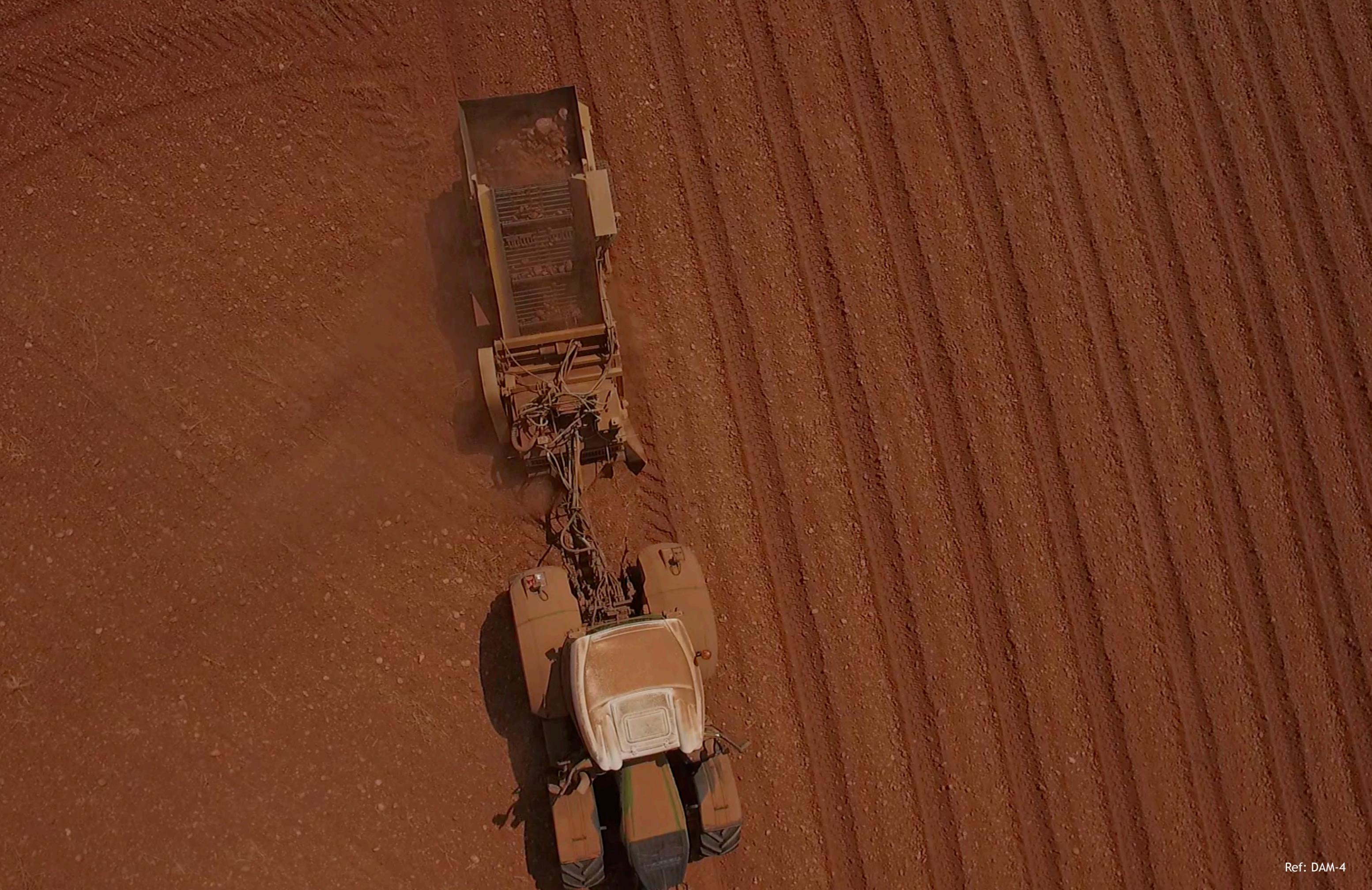
Rotor with floating shaft and hydraulic damping with helical distribution of the blades. This drum feeds the stones into the lift chain.

Performance of the machine with a working width of 1.9m., from 30 to 90. m<sup>3</sup> of stones per hour.

Duty cycles of loading and unloading of the machine 4 to 15 minutes depending of the density of, tone in the field.

All the machines are transported by land in lorry, and by sea in container 40" H.C. and Flat Rack.







Ref: DAM-3



Ref: DAM-4



Ref: DAM-5 PLUS



Ref: DAM-6 PLUS

# UNLOAD TO GROUND

## SIMPLE AND FAST

Rock Pickers from 5 to 12 tn of capacity, for better performance in open field.

The TRIGINER Rock Pickers are machines designed to work in extreme conditions, the machine has no weak points.

They collect stones and rocks from 2 cm to 150 cm. Up to a depth of 50 cm in a single pass.

We offer different standardized models, with different sizes for each job or need of our customers. Contact us to offer you the machine that best suits your needs.

LOWER ECONOMIC COST

HIGHER Stone tank CAPACITY

### DAM-3

Rock Picker, unload to the ground, with a stone tank capacity of 3 m<sup>3</sup>. Working depth up to 50 cm. Stones from 17 mm to 1.5 meters.

FEATURES	PERFORMANCE
TANK CAPACITY	3 m <sup>3</sup>
LOADING HEIGHT	0.5 m
MINIMUM TRACTOR POWER	120 HP
WORKING WIDTH	1.9 m
TYPE OF WHEELS	445/65 R22,5
TOTAL MACHINE LENGTH	7.3 m
TOTAL MACHINE HEIGHT	2.4 m
APPROXIMATE WEIGHT	6.400 kg

### DAM-4

Simple and practical unloading system. Loading and unloading working cycles of the machine from 4 to 10 minutes, depending on the density of the rock/stone to be picked.

FEATURES	PERFORMANCE
TANK CAPACITY	4 m <sup>3</sup>
LOADING HEIGHT	0.5 m
MINIMUM TRACTOR POWER	150 HP
WORKING WIDTH	1.9 m
TYPE OF WHEELS	15,5 R25
TOTAL MACHINE LENGTH	6.7 m
TOTAL MACHINE HEIGHT	2.6 m
APPROXIMATE WEIGHT	7.500 kg

### DAM-5 PLUS

Rock Picker, unload to the ground, of 6 m<sup>3</sup> of tank capacity. Simple and practical unload system.

FEATURES	PERFORMANCE
TANK CAPACITY	6 m <sup>3</sup>
LOADING HEIGHT	0.5 m
MINIMUM TRACTOR POWER	220 HP
WORKING WIDTH	2.1 m
TYPE OF WHEELS	17,5 R25
TOTAL MACHINE LENGTH	7.6 m
TOTAL MACHINE HEIGHT	2.6 m
APPROXIMATE WEIGHT	9.500 kg

### DAM-6 PLUS

Rock Picker unload to ground, of 7 m<sup>3</sup> of stone tank capacity. Simple and practical unload system.

FEATURES	PERFORMANCE
TANK CAPACITY	7m <sup>3</sup>
LOADING HEIGHT	0.6 m
MINIMUM TRACTOR POWER	260 HP
WORKING WIDTH	2.1 m
TYPE OF WHEELS	20,5 R25
TOTAL MACHINE LENGTH	8.2 m
TOTAL MACHINE HEIGHT	3.2 m
APPROXIMATE WEIGHT	9.800 kg

# NEW ROCK PICKERS

# UNLOAD TO GROUND



Ref: DV-2

## DV-2

The Most Versatile Rock Picker, Ideal for the small tractor, because of its size and price, it only needs 80 HP tractor to make it work, having practically the same characteristics as its bigger sister, the rock picker DV-3

### FEATURES

TANK CAPACITY	2,3 m <sup>3</sup>
LOADING HEIGHT	0.6 m
MINIMUM TRACTOR POWER	80-100HP
WORKING WIDTH	1.7 m
TYPE OF WHEELS	315/80 R22,5
TOTAL MACHINE LENGTH	7.4 m
TOTAL MACHINE HEIGHT	2.4 m
APPROXIMATE WEIGHT	6.000 kg

### PERFORMANCE



Ref: DV-3

## DV-3

Rock Picker unload to ground, with a stone tank capacity of 3 m<sup>3</sup>. Working depth up to 50 cm. Stones from 17 mm to 1.5 meters. Versatile and great value for money.

### FEATURES

TANK CAPACITY	3 m <sup>3</sup>
LOADING HEIGHT	0.7 m
MINIMUM TRACTOR POWER	120 HP
WORKING WIDTH	1.9 m
TYPE OF WHEELS	445/65 R22,5
TOTAL MACHINE LENGTH	7.8 m
TOTAL MACHINE HEIGHT	2.4 m
APPROXIMATE WEIGHT	7.300 kg

### PERFORMANCE





DV-2



DV-3



Ref: DSR-3

## DSR-3

Rock Picker unload to trailer of 3 m<sup>3</sup> of stone tank capacity. Simple and practical unload system.

FEATURES	PERFORMANCE
TANK CAPACITY	3 m <sup>3</sup>
MINIMUM TRACTOR POWER	150 HP
WORKING WIDTH	1.9 m
TYPE OF WHEEL	445/65 R22,5
TOTAL MACHINE LENGTH	7.3 m
TOTAL MACHINE HEIGHT	3.2 m
APPROXIMATE WEIGHT	8.600 kg



Ref: DSR-4

## DSR-4

Rock Picker unload to trailer of 4 m<sup>3</sup> of stone tank capacity. Simple and practical unload system.

FEATURES	PERFORMANCE
TANK CAPACITY	4 m <sup>3</sup>
MINIMUM TRACTOR POWER	190 HP
WORKING WIDTH	1.9 m
TYPE OF WHEELS	15,5 R25
TOTAL MACHINE LENGTH	7.5 m
TOTAL MACHINE HEIGHT	3.2 m
APPROXIMATE WEIGHT	9.500 kg



Ref: DSR-4 PLUS

## DSR-4 PLUS

Rock Picker unload to trailer of 4 m<sup>3</sup> of Stone tank capacity. Simple and practical unload system.

FEATURES	PERFORMANCE
TANK CAPACITY	4 m <sup>3</sup>
MINIMUM TRACTOR POWER	250 HP
WORKING WIDTH	2,1 m
TYPE OF WHEELS	17,5 R25
TOTAL MACHINE LENGTH	7.5 m
TOTAL MACHINE HEIGHT	3.2 m
APPROXIMATE WEIGHT	9.500 kg



# UNLOAD TO TRAILER

## HIGH PERFORMANCE ROCK PICKERS UNLOADING SYSTEM

Thanks to its unloading system to trailer or truck.

Hydraulic transmission: Hydraulic pump directly coupled to tractor's PTO, which gives pressure to 2 hydraulic motors -rotor and chain-.

We offer different standardized models, with different sizes for each job or need of our clients. Contact us to offer you the machine that best suits your needs.

Advantages of unloading to trailer or truck.

### BIGGER PERFORMANCE

TRIGINER trailer unloading rock pickers are the ones that offer the highest performance in terms of tons/hour.

UNLOADING TO TRUCK AND ALSO UNLOADING TO THE GROUND.



# MODELS COMPARISON

# UNLOAD TO GROUND

MODELS (UNLOAD TO GROUND)	DV-2	DV-3	DAM-3	DAM-4	DAM-5 PLUS	DAM-6 PLUS
TANK CAPACITY	2,3 m <sup>3</sup>	3 m <sup>3</sup>	3 m <sup>3</sup>	4 m <sup>3</sup>	6 m <sup>3</sup>	7 m <sup>3</sup>
MINIMUM TRACTOR POWER	80/120 HP	100 HP	120 HP	150 HP	220 HP	260 HP
DUMP HEIGHT	0,6 m	0,7 m	0,4 m	0,4 m	0,5 m	0,5 m
WORKING WIDTH	1,7 m	1,9 m	1,9 m	1,9 m	2,1 m	2,1 m
TYPE OF WHEELS	315/80 R22,5	445/65 R22,5	445/65 R22,5	15,5 R25	17,5 R25	20,5 R25
TOTAL MACHINE LENGTH	7.4 m	7.8 m	7.3 m	7.6 m	8,1 m	8.5 m
TOTAL MACHINE HEIGHT	2,4 m	2.4 m	2,4 m	2,6m	2,6 m	3,2 m
ELEVATOR WIDTH	1,3 m	1,5 m	1,5 m	1,5 m	1,7 m	1,7 m
APPROXIMATE WEIGHT	6.000 kg	7.300 kg	6.400 kg	7.500 kg	9.500 kg	9.800 kg

# UNLOAD TO TRUCK

MODELS (UNLOAD TO TRUCK)	DSR-3	DSR-4	DSR-4 PLUS
TANK CAPACITY	3 m <sup>3</sup>	4 m <sup>3</sup>	4 m <sup>3</sup>
MINIMUM TRACTOR POWER	150 HP	190 HP	250 HP
DUMP HEIGHT	3 m	3,3 m	3,3 m
WORKING WIDTH	1,9 m	1,9 m	2,1 m
TYPE OF WHEELS	445/65 R22,5	15,5 R25	17,5 R25
TOTAL MACHINE LENGTH	8 m	8.3 m	8.3 m
TOTAL MACHINE HEIGHT	3,2 m	3,2 m	3,2 m
ELEVATOR WIDTH	1,5 m	1,5 m	1,7 m
APPROXIMATE WEIGHT	8.600 kg	9.000 kg	9.500 kg

# MANUFACTURING quality

## OUR MISSION

To offer quality products that meet the needs and expectations of our customers to achieve maximum customer satisfaction.

Implement continuous improvement to increase efficiency and improve the quality of our services and products.

\*All the machines are transported by land in lorry, and by sea in container 40" H.C. and Flat Rack.



## LONG-TERM EXPERIENCE

With more than four decades of experience in rock extraction systems, we possess a high level of know-how in combination with a reliable service.

We owe this competence to long-term business relationships with suppliers and partners.



## HIGH RELIABILITY

Customer satisfaction is one of our top priorities and a term we make seriously.

TRIGINER products are therefore covered by a 12 month warranty.

## SERVICE

Our wide range of readily available spare parts and parts subjects to wear, allows us to meet your needs in a punctual and accurate manner.



## EXPERT ADVICE

Our qualified technical staff will ensure you receive the right advice about the most appropriate machines for your application.



# 50 years MANUFACTURING Rock Pickers

Since 1967, we have developed a wide variety of machines, both in agriculture and Public Works sector.

At present our main products are rock pickers and tree pruners.

Our company is committed to providing you with cutting-edge solutions in the way you work. We guarantee full support to help you take decisions at any level.



# ANGEL TRIGINER

In 1967 Angel Triginer founded his own company, invented and patented Machinery Triginer's rock pickers and disc tree pruners.

## SOLE-TRIGINER

Agustin Ros, 14 - Tel. (973) 39 02 83 - AGRAMUNT (Lérida)

### Despedregadora Autocargable Continua



MODELO DHA1 - 4 Mt.<sup>3</sup>  
Acoplada a la toma de fuerza

SIEMPRE EN VANGUARDIA DE LAS MAQUINAS MODERNAS Y VIVIENDO LAS NECESIDADES DEL MOMENTO, SOLE TRIGINER OFRECE SU MAQUINA DESPEDREGADORA CONTINUA DE MOVIMIENTOS TOTALMENTE AUTOMÁTICOS Y SINCRONIZADOS MEDIANTE CONTROL HIDRÁULICO.

#### CARACTERÍSTICAS

**MÍNIMA POTENCIA CONSUMIDA** — TO C.V. son suficientes para cargar, transportar y vaciar 4 metros cúbicos de piedra en menos de cinco minutos. En terrenos donde la piedra es abundante, el tiempo de carga es inferior a un minuto.

**AUTONOMÍA** — Por formar la máquina y el tractor un solo conjunto, capaz de cargar, transportar y vaciar las piedras puede trabajar en parcelas pequeñas.

**ENSAMBLAJE** — Una eleva y otra sube unen la máquina con el tractor, dos tubos unidos a un distribuidor hidráulico en doble efecto, de una presión mínima de 120 kg. centímetros cuadrados y un caudal no inferior a 22 litros minuto.

La transmisión a la cadena elevadora actúa mediante la toma de fuerza del tractor. Cíclicamente se construye con motor hidráulico. Para la toma hidráulica es necesario el montaje de un segundo circuito hidráulico mediante un bomba de 60 litros minuto y una presión de 150 kg. centímetros cuadrados.

**FUNCIONAMIENTO** — Un elevador de cadena, carga tierra, piedras, raíces y maderas la forma cae rápidamente y eleva el resto que es vaciado a una caja de 4 metros que posteriormente bascula hacia atrás al que que un volante, lográndose así amontonar las piedras, virutas por un margen o enterradas y evitando así el paso por encima de ellas.

Los movimientos de descenso y elevación del elevador, elevación de la caja y retorno de la misma se efectúan por un solo mando en doble efecto y de un modo sincronizado, imposible de efectuar una falsa maniobra.

DESPEDEGADORA  
MODELO DHA1 - 4 Mt.<sup>3</sup>  
Observar la Cadena  
del elevador como sube  
nueva de tierra.



## DESPEDEGADORA

Autocargable, de carga continua, mecánica. Modelo DACCMT - 4 Mt.<sup>3</sup>  
AGRAMUNT (Lérida) SOLE - TRIGINER Telef. (973) 39 02 83



MAQUINA EN POSICIÓN DE TRABAJO



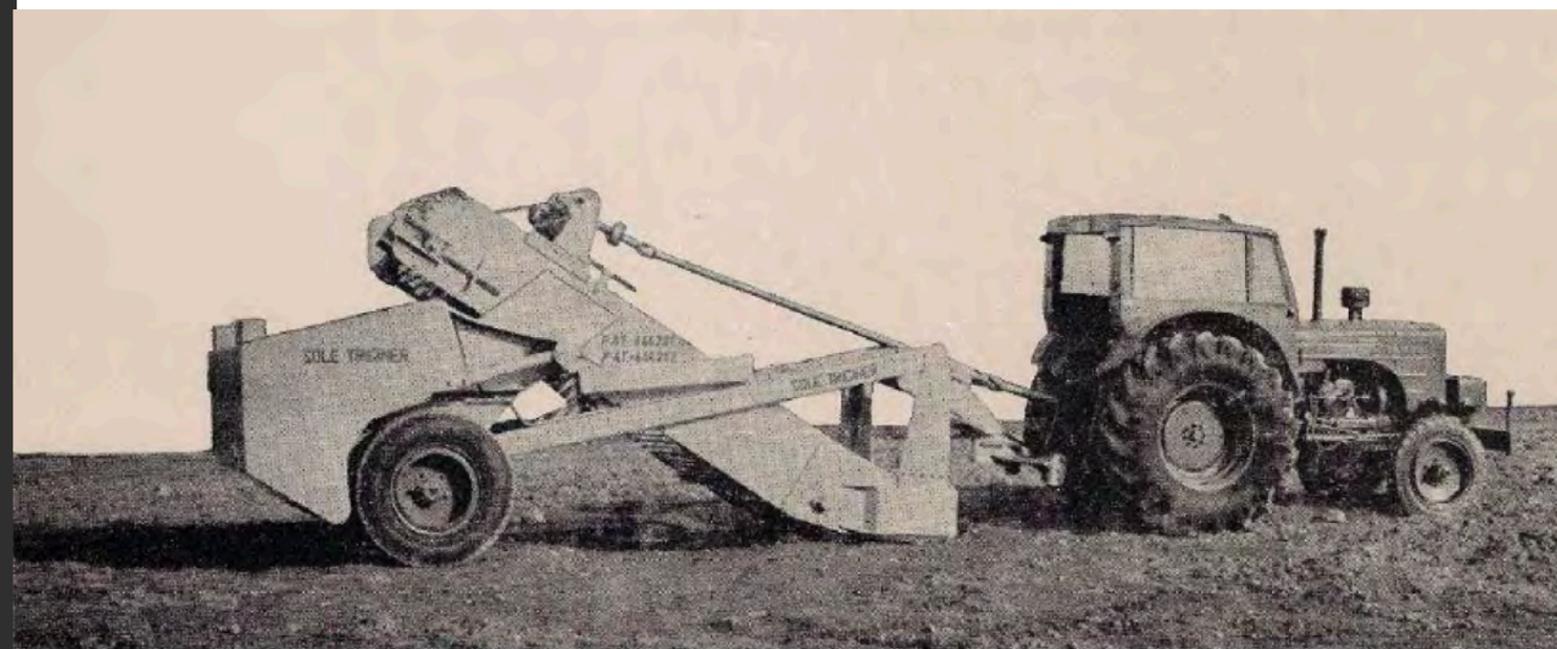
MAQUINA EN POSICIÓN DE DESCARGA

## DESPEDEGADORA

Autocargable, de carga continua, para descarga elevada. Modelo DACCDEST - 2.5 Mt.<sup>3</sup>  
AGRAMUNT (Lérida) SOLE - TRIGINER Telef. (973) 39 02 83



MAQUINA EN POSICIÓN DE TRABAJO VISTA POR DELANTE







[WWW.TRIGINER.COM](http://WWW.TRIGINER.COM)

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The technical characteristics of this catalog are for information purposes,  
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