



DEWULF TORRO
TRAILED 2-ROW
SIEVING HARVESTER

 Soil
cultivation

 Planting

 Harvesting

 Storage

 Grading

SPECIAL ATTENTION TO PRODUCT QUALITY

Although many potatoes are grown on clay ground, two-thirds of potatoes worldwide are grown on sandy soil. Dewulf developed the Torro, a 2-row trailed offset harvester, for this type of soil. This light, reliable and simple machine is equipped with a variety of innovative features that are unique for its market segment. Specifically, the harvester is striking due to

its particular attention to the product quality of the potato during harvesting. Furthermore, as a result of its low power requirement, a 100 hp tractor is sufficient for harvesting with the Torro.



PURE CRAFTSMANSHIP

The Torro has been developed to make it suitable for any potato grower. Various options ensure a tailor-made harvester that has been adapted to all specific harvesting conditions. Thanks to the clever positioning of the centre of gravity, the machine harvests in a very stable manner, even at high harvesting speeds.

HIGHEST QUALITY

The harvester is built from high quality, easily replaceable standard components that are available worldwide. Reduced maintenance and increased productivity make harvesting enjoyable during the most crucial time of year.

QUICK CHANGE SYSTEM (QCS)

The Torro uses a trailed oscillating harvesting unit. As standard, the harvester is equipped with a quick change system with diaboloes, cutting discs and harvesting shares. As a result, it is possible to switch between different optional harvesting kits: (half) diaboloes 75-90 cm, onion kit, beetroot kit or carrot kit. Switching between these kits requires less than 10 minutes. The harvesting unit can optionally be supplemented with DAS (Dewulf Automatic Steering) and APC (Automatic Pressure Control).



SIEVING WEB 1

The harvester utilises a 3200 mm long sieving web 1. Optionally, this can be hydraulically driven as a result of which the speed is 100% variable and you are in complete control. Sieving web 1 is available with a pitch of 36, 40, 44 or 50.



AGITATOR

A mechanically driven agitator is fitted as standard in sieving conveyor 1. The intensity can be adjusted on the machine or is optionally adjustable from the cabin.



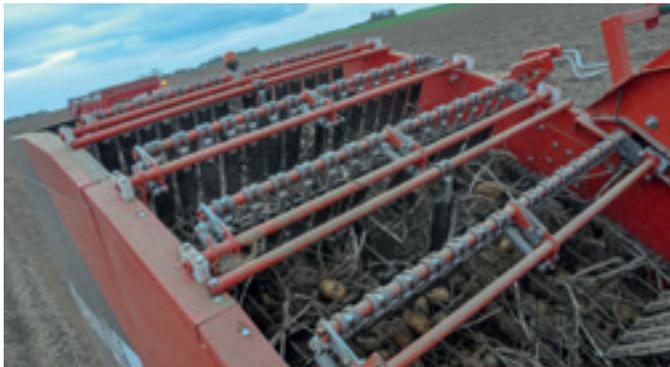
SIEVING WEB 2

Sieving web 2 has a length of 2400 mm with 2 speeds in relation to sieving web 1. Sieving web 2 is available with a pitch of 32, 36, 40 or 44.



UNIQUE CURVED HAULM CONVEYOR

The curved haulm conveyor of the Torro is unique in the market. This design reduces the drop height to an absolute minimum and does a better job of keeping the haulm on the haulm conveyor. The intensity of each haulm spring can be controlled independently, while the overall adjustment is possible via a lever system.



HAULM SPRING SETS

4 haulm spring sets are fitted as standard, which are mechanically adjustable in height with the use of a handle on the platform. Each haulm spring set can also be individually mechanically adjusted in height on the machine. Optionally, the haulm spring sets can be operated electrically from the cabin and on the sorting platform.



HEDGEHOG UNIT 1 WITH 3 DEFLECTING ROLLERS

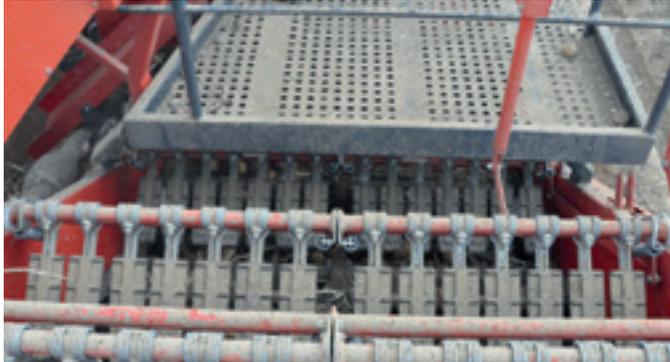
The flat hedgehog unit 1 has a length of 2000 mm and a width of 1500 mm. The speed can be adjusted both in the tractor cabin as well as on the sorting platform. As standard, 3 deflecting rollers are installed in order to ensure fast and product-friendly harvesting. These can be adjusted in height either manually or optionally electrically on the platform and from the cabin.



HEDGEHOG UNIT 2 WITH 2 DEFLECTING ROLLERS

The flat hedgehog unit 2 has a length of 1350 mm and a width of 1300 mm. The speed is adjustable from the tractor cabin and on the sorting platform. As standard, 2 deflecting rollers are provided. These can be adjusted in height either manually or optionally electrically on the platform and from the cabin.

OPTIONS



2 ADDITIONAL HAULM SPRING SETS

The sooner the haulm can be separated from the product flow, the more product-friendly you will harvest. For this reason, 2 additional haulm spring sets are possible. In this manner, you will minimise the chance that a great deal of separation will be required at the end of the haulm conveyor.



HEDGEHOG UNIT 2 WITH DEFLECTING BELT

In the event that you are confronted with a large amount of stones and clods, the deflecting belt with 3 rows of rubber studs will offer the required solution. Both the speed as well as the height of the deflecting belt can be adjusted, as a result of which stones and clods are removed effectively and are moved to the waste belt.



SORTING UNIT

Small clods or undersize potatoes can be separated from the product flow thanks to the sorting unit, which is comprised of 5 sorting rollers.

BUNKER

The Torro is fitted with a 8.6 m³ bunker with two programmable discharge speeds. The bunker is filled fully automatically due to the automatic height adjustment of the discharge conveyor. The bunker has a maximum discharge height of 4300 mm.



4 WHEEL CONFIGURATIONS FOR YOUR NEEDS

Standard

Left: Trelleborg 600/55 R26.5

Right: Trelleborg 600/55 R26.5

Option 1

Left: Trelleborg 850/45 B30.5

Right: Trelleborg 850/45 B30.5

Option 2

Left: Mitas 2 x 750 320/85 R38

Right: Trelleborg 850/45 B30.5

Option 3

Left: Michelin 850x50 R30.5

Right: Michelin 850x50 R30.5



WORKING WITH EASE MEANS WORKING MORE QUICKLY



Thanks to a control-unit and joystick, working with the Torro is very enjoyable. All harvesting parameters can be adjusted with the control-unit. The joystick has 20 buttons, providing direct control of a sufficient amount of functions. Furthermore, it is possible to link various harvesting parameters in five configurable preselections. This allows you to completely reconfigure the machine at the touch of a button. An optional camera system with 4 cameras makes it possible to optimally follow the entire product flow.

KEYPAD

As standard, a keypad is provided on the sorting platform to adjust the speed of the discharge conveyor, hedgehog units and the deflecting rollers or deflecting belt. These functions can be expanded in the event that additional options are chosen. The options can be: inclination control of the hedgehog units, height control of the deflecting rollers or deflecting belt and of the haulm springs.

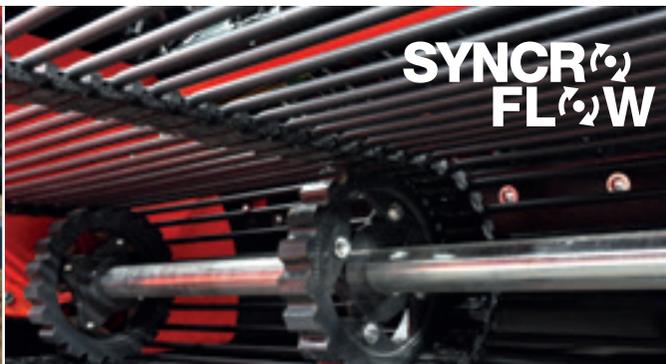


OPTIONS



INCLINO MASTER®

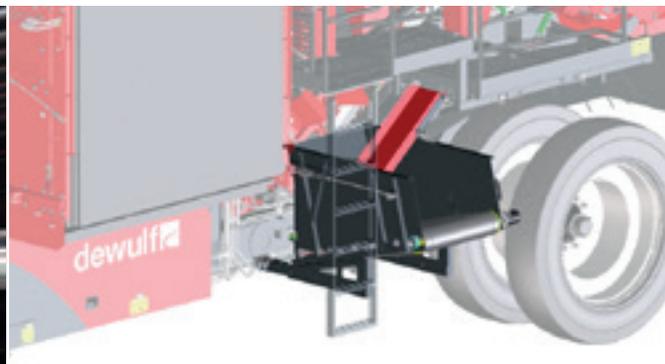
Dewulf has developed the patented 'Inclino Master®' to prevent economical losses and losses in quality as a result of damaged product. This innovative optional system continuously measures, monitors and corrects the parallelism of the harvesting unit in relation to the field.



SYNCR FLOW

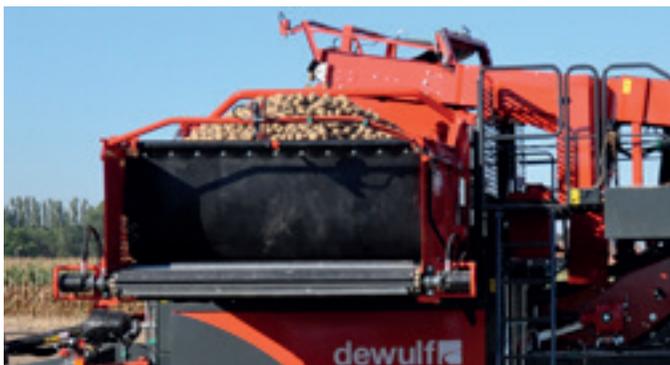
HYDRAULICALLY DRIVEN SIEVING WEB 1

The ability of powering sieving web 1 hydraulically is unique on the market. As a result, the speed is 100% variable. Thanks to Syncro Flow, the speed of the sieving web is synchronised to match the driving speed. The speed of sieving web 1 can be slowed down or sped up by a certain percentage relative to the driving speed using the control-unit.



WASTE BUNKER

2 different waste bunkers are possible. The first type has a capacity of 700 kg, in which the discharge is performed immediately below the waste bunker. The second type has a capacity of 550 kg, in which the discharge is performed on the left-hand side of the machine by means of a hydraulically driven conveyor.



LOADING OPTIMIZATION

Due to the loading optimization, it is possible to increase the capacity of the standard bunker from 8.6 m³ to 9.5 m³.



LOADING CHUTE AND BIG BAG FILLER

Various options are possible at the end of the bunker. Both mechanically as well as hydraulically adjustable loading chutes are possible (if required with PVC fall breaking strips inside the loading chute). Additionally, a mechanically adjustable Big Bag filler is available with hooks in order to secure your Big Bag.



UNLOADING ON THE MOVE

You can increase your productivity by up to 25% with a bunker that features unloading on the move. This 2-part bunker is equipped with a bar web in the discharge elevator, with which you will have additional sieving capacity during the unloading of the bunker.

TECHNICAL DATA

• standard o optional

HARVESTING UNIT

Width of harvesting unit [mm]	1500 or 1650
Hydraulically driven harvesting unit	o
Inclino Master	o
APC (Automatic Pressure Control)	o
Syncro Flow	o
DPC (Dewulf Position Control)	o
DAS (Dewulf Automatic Steering)	o

SIEVING WEBS

Length of sieving web 1 [mm]	3200
Length of sieving web 2 [mm]	2400

HAULM SEPARATION

Haulm conveyor with 4 haulm springs sets	•
Haulm conveyor with 6 haulm spring sets	o

CLEANING

Mechanical agitator in the digger web	•
Electrical inclination adjustment of the hedgehog units	o
Hedgehog unit 1 with 3 deflecting rollers	•
Electrical height adjustment of the deflecting rollers	o
Hedgehog unit 2 with 2 deflecting rollers	•
Electrical height adjustment of the deflecting rollers	o
Hedgehog unit 2 with deflecting belt	o
Electrical height adjustment of the deflecting belt	o

SORTING PLATFORM

Waste conveyor next to discharge conveyor [mm]	o
Sorting unit	o
Keypad	•
Waste bunker type 1: 700 kg, discharge at the bottom	o
Waste bunker type 2: 550 kg, discharge to the left	o

BUNKER

Capacity [m³]	8.6
Capacity with loading optimization [tonnes]	6
Loading chute, mechanical	o
Loading chute, hydraulic	o
Loading chute with PVC fall breaking strips	o
Big Bag filler	o
Unloading on the move	o

Tractor

Required power [hp]	100
PTO drive shaft [rpm]	540

DIMENSIONS

Total length [mm]	12 210
Total width [mm]	3370
Total height [mm]	3620
Weight from [kg]	9800