

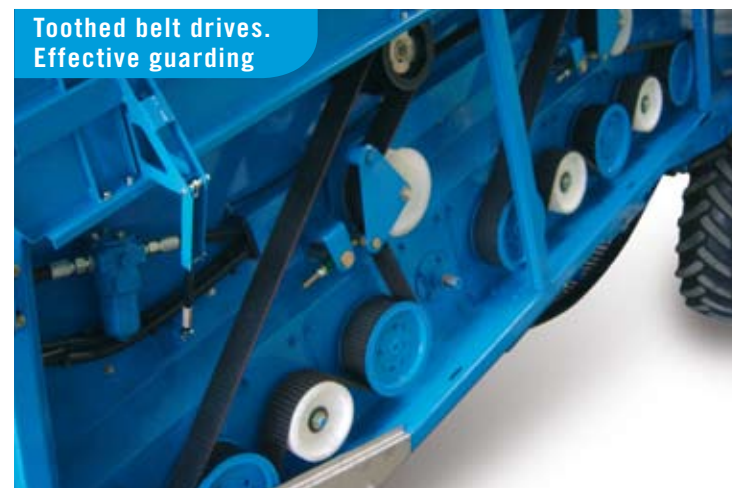
UNISTAR is the result of an intensive development programme and considerable investment by Standen Engineering Ltd into new technologies. Several patents have been applied for; UNISTAR offers many advantages as a result of its revolutionary design. Performance testing in the field has demonstrated 30%-50% output gains over existing machines, more in certain conditions.

CLEAR VISIBILITY – CANbus CONTROL SYSTEM

A clear view for the driver allows machine functions to be easily monitored and adjusted for optimum performance. The in-cab console features CANbus adjustability and puts total control at the operator's fingertips.



Clear view for driver



Toothed belt drives. Effective guarding

HIGH SPECIFICATION – LOW RUNNING COSTS

Hydraulic axle steering with automatic self-centring and hydraulic levelling left and right are standard specification. Low running costs are ensured by toothed belt drives, effective guarding with secure installation of hydraulic and electric services. Unitary construction brings strength without excessive weight, with easy maintenance access.



Hydraulic steering /levelling is standard



Control console, CANbus electronics

OPTIONS FOR ALL LAND TYPES



VARI-FLOW web for undulating ground



Boulder box, hydraulic opening

UNISTAR STANDARD SPECIFICATIONS

Chassis	Unitary construction (monocoque)
Sieving width	1500mm or 1600mm (no cost option)
Power requirements	120hp+ tractor, 12v electrics
Tractor hydraulics	70 litres/minute minimum constant flow
Main drives	Mechanical, quiet, low maintenance toothed belts
In-cab control console	CANbus electronic system
Depth control	Automatic, with in-cab override
Depth sensing	Steel roller
Intake discs	Spring loaded, serrated heavy-duty
Shares	Multi-piece full width
Intake roller	Steel roller behind shares
Star shafts	10-rows UNISTAR 320mm DUROPOL polymer stars
Star formation	ACTIFLOW active stars, spiral spreading formation
UNDERweb	Secondary separation web, extending to cross conveyor
Cross conveyor	Hydraulic variable speed, in-cab control
Wheel Track	1.7m (68") - 2.0m (80")
Wheel steering	Hydraulic, 26 degree, automatic self-centring, in-cab control
Wheels	Steel rims, 12.5 x 20 tyres
Levelling	Dual hydraulic, in-cab control
Lighting	Full road lights
Length	8.2m* (8.55m with boulder box)
Width, working	4.05m
Width, transport	3.0m
Height	2.58m
Weight	5180kgs* (5500kg with boulder box)
Shipping dimensions*	Length 8.2m x Height 2.58 x Width 2.12m (partly dismantled)

* Standard specification.

UNISTAR OPTIONAL EQUIPMENT

Drawbar	Hydraulic breakaway in lieu of standard
Intake discs	Plain in lieu of serrated
VARI-FLOW	Variable speed over web kit, in-cab control
Clod mat	Single bank of rubber clod breakers
Clod mat	Electric in-cab control for single mat
Clod mat	Electric in-cab control for 2 mats connected
UNDERweb	36mm, 40mm, 45mm or 50mm web pitches
Boulder box	Hydraulic opening, in-cab control

STANDEN-PEARSON Potato Systems products include:

BEDFORMER BX Series
 POWAVATOR rotary tillers
 BASELIER hook tine cultivators
 MEGASTAR GEN-2 soil separator
 UNISTAR soil separator
 SP mounted potato planters
 H-600 trailed potato planters
 FM-2 FLAIL TOPPER
 BASELIER potato toppers
 ENTERPRISE potato harvester
 T3 - 3-row potato harvester
 STARSTREAM vegetable harvester
 GALAXY STAR separators
 ROLLER-TABLE separators

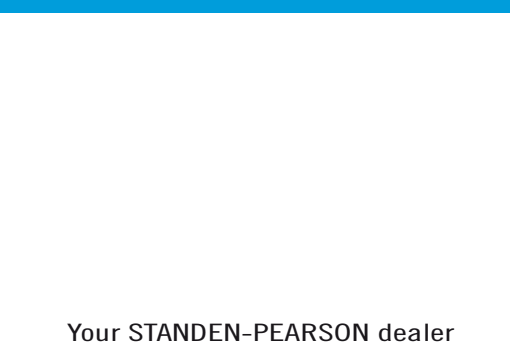
STANDEN PEARSON
 POTATO SYSTEMS

UNISTAR

HIGH CAPACITY SOIL SEPARATOR

new STAR TECHNOLOGY,
 new UNDERweb, low maintenance design

STANDEN-PEARSON UNISTAR,
 fitted with optional VARI-FLOW web



Your STANDEN-PEARSON dealer



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STANDEN ENGINEERING LTD has a policy of continuous product development and reserves the right to make changes to specifications, prices or equipment without prior notice.

NEW TECHNOLOGY; EFFICIENCY, LOW COSTS

STANDEN-PEARSON UNISTAR

HIGH PERFORMANCE Soil, Clod and Stone Separator

UNISTAR,
- twice the machine!



NEW STAR TECHNOLOGY – POWERFUL SOIL PROCESSING CAPACITY

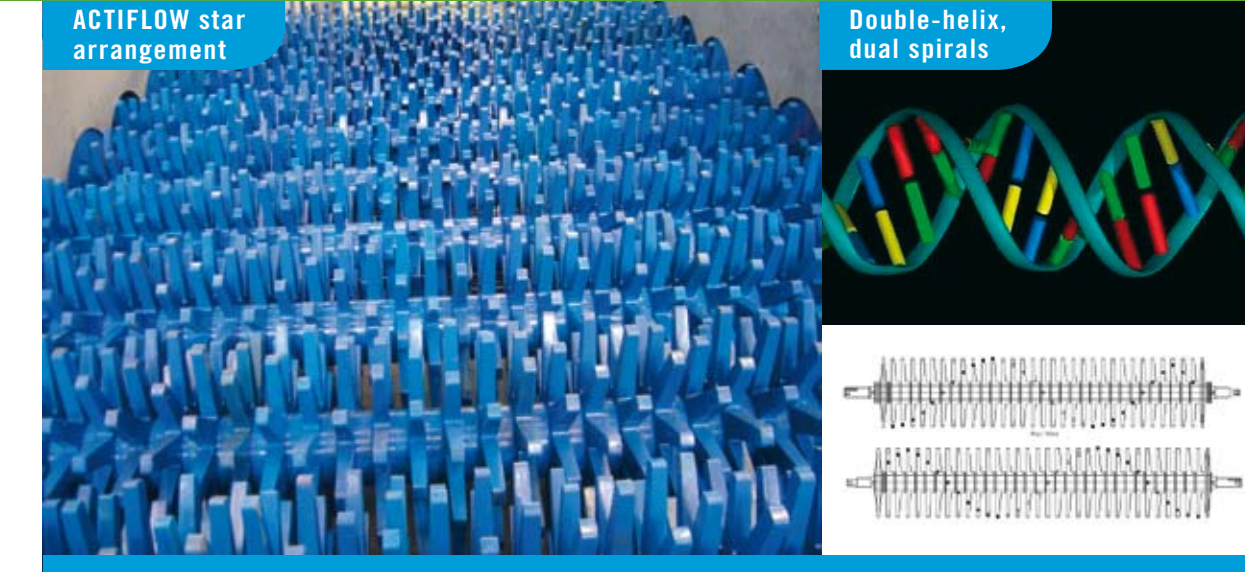
New 320mm diameter DUROPOL polymer stars, specially developed for UNISTAR provide huge capacity. Star fingers at a new aggressive angle work fast, for effective clod crumbling and higher output. Large star diameter also speeds the flow of material through the machine and increases the processing capacity of the star bed.



New, UNISTAR large diameter aggressive stars

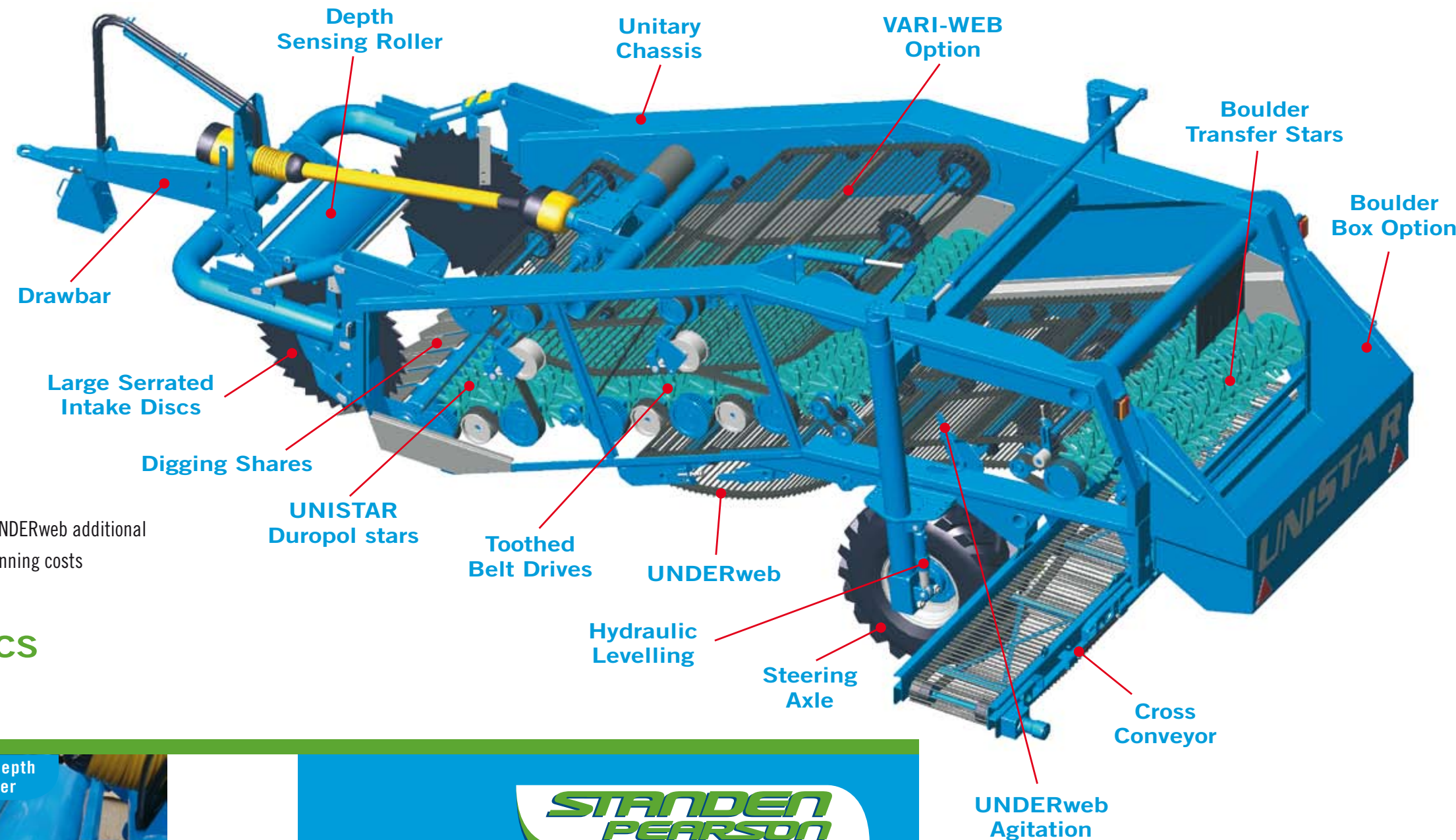
ACTIFLOW – ‘DOUBLE-HELIX’ ACTIVE STAR CONFIGURATION

ACTIFLOW is unique; a patented system of stars with alternate long fingers arranged in a spiral double-helix configuration. As soil and stones feed on to the star bed, ACTIFLOW stars move the material away from the centre towards the outsides, then back again, repeating the process through the machine. This highly efficient system makes best use of the separation area available for maximum performance, with no 'dead' spots or wasted areas.



ACTIFLOW star arrangement

Double-helix, dual spirals



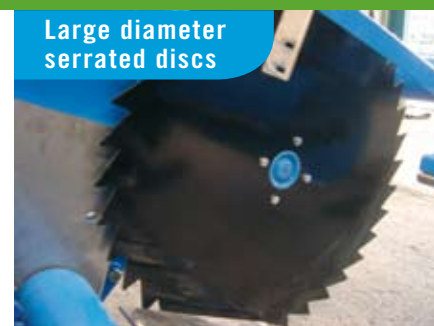
Labels in diagram: Drawbar, Depth Sensing Roller, Unitary Chassis, VARI-WEB Option, Boulder Transfer Stars, Boulder Box Option, Large Serrated Intake Discs, Digging Shares, UNISTAR Duropol stars, Toothed Belt Drives, UNDERweb, Hydraulic Levelling, Steering Axle, Cross Conveyor, UNDERweb Agitation.

New UNISTAR stars and UNDERweb; It's twice the machine its competitors are! New star technology, UNDERweb additional separation and toothed belt drives mean high performance in the field with quiet operation and low running costs

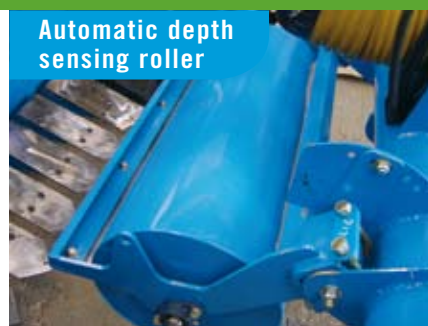
HEAVY-DUTY SHARES – LARGE INTAKE DISCS – POWERED ROLLER



Heavy-duty shares, powered roller



Large diameter serrated discs



Automatic depth sensing roller

Smooth feed-in is ensured by a well tested share system with its large serrated discs and powered 1st steel roller. A full-width steel roller in front assists intake and senses depth for the automatic depth system.

NEW UNDERweb; SECONDARY SEPARATION FOR EXTRA PERFORMANCE

UNDERweb, a secondary separating web is located beneath the rear six rows of stars, extending rearwards to feed clods/stones to the cross conveyor. UNDERweb completes the separating process and grades soil to create consistently high quality beds. The additional drop at the end of the star bed onto the web dramatically enhances separation. It's unnecessary to change star spacers for different requirements; a simple web pitch change is all that's needed.

This all makes UNISTAR a truly universal separator; equally at home on cloddy or sandy soils, or soils with high stone contents. UNISTAR is designed to appeal to growers with web, combination, or star soil separators; it offers all the advantages of these and more, in one machine.



UNDERweb; final soil grading



UNDERweb; extra drop, feed to cross conveyor



UNISTAR
UNIVERSAL OPERATION,
STONES AND CLODS;
NO PROBLEM FOR UNISTAR!