

VANDAELE®



WOOD CHIPPER RANGE FORESTRY



VANDAELE®

WOOD CHIPPER
RANGE
FORESTRY



Two horizontal infeed rolls, each one driven by its own hydraulic motor.



Specially adapted crane feed funnel for forestry applications: reinforced, open structure

Vandaele is a manufacturer of high quality machines for green keeping and verge maintenance. Since well over 20 years now, we build a large range of wood chippers, specially aimed at the professional user market.

Our large range offers a variety of possibilities. In total, there is a choice between 10 different models, with infeed openings between 12 cm – 5" and 40cm – 16".

The VANDAELE® forestry wood chippers are unique:

- SIMPLE MAINTENANCE
- NO SHARPENING OF THE KNIVES REQUIRED!
- SPECIAL **CE** REGULATIONS FOR FORESTRY MACHINES
- VERY ROBUST CONSTRUCTION
- OPTIMUM VISIBILITY ON THE INFEED OPENING

Features and benefits of the Vandaele wood chippers:

- Standard equipped with TUNGSTEN-CARBIDE knives and counter knives in sections,
- Sections are easily replaceable,
- Renders sharpening and adjusting of the knives superfluous,
- Extreme long life span,
- Noise reduced knife disc, built in a wear resistant housing,
- Direct drive of the machine, no chains or belts are used,
- Robust Construction, years of experience incorporated,
- Very big capacity.

Because of years of experience and our continuous drive to quality and durability, we achieved a market leader position.

We dispose of hundreds of references of contractors, city councils & public services, forest owners, water boards, forestry boards, etc.

This in Belgium and in other countries.





TV27-40 crane feed funnel with steel conveyor belt for automatic feeding.



TV27-40 crane feed unit and crane combination, built on an adapted 3-point frame.

Technical specifications

TV-40 with crane feed funnel:

- Chipper disc ø 1000mm, equipped with 3 knives in TUNGSTEN-CARBIDE,
- Counter knife in TUNGSTEN-CARBIDE,
- PTO driven: 1000 RPM, number of revolutions of the disc: 1000 RPM
- PTO axle diameter on main axle: 1" ¼, with PTO-shaft with free wheel W2500,
- 2 hydraulically driven infeed rolls with built in pump group, stop – reverse coupling and chip size regulation from 1 to 25 mm
- High ejector chute with adjustable flap: 3 m high, 300° revolving (EN 13525), on ball bearing, adjustable flap,

Technical specifications model FC400:

- Machine without infeed funnel for improved visibility on the infeed rolls,
- Unique **parallelogram crane**, reach 6,10 m with hydraulic rotator and tree clamp,
- Classic linear handle controls for the crane functions,
- Adapted, built to size forestry crane support A-frame with hydraulic stabilizers,
- Adapted 3-point frame on the chipper to A-frame (extra short connections),
- Adapted top cover for optimum visibility on the infeed rolls,
- Chipper disc ø 1000 mm, equipped with 2 knives in TUNGSTEN-CARBIDE,
- Counter knife in TUNGSTEN-CARBIDE,
- Number of revolutions of the disc : 1000 rpm,
- Anti-Stress system SPECIAL ADVANCED included,
- Round wood diameter max: 270 mm / 11",

Technical specifications model TV40-42 "GIANT":

- Extremely big and heavy machine,
- Machine + frame in super elastic steel quality,
- Knife disc ø 1360 mm, equipped with 2 knives in TUNGSTEN-CARBIDE,
- Counter knife in TUNGSTEN-CARBIDE,
- PTO shaft revolutions: 1000 RPM,
- PTO shaft end on the main axle: 1" ¼, with free wheel PTO, type W 2600
- Rotations of the knife disc: 1000 RPM,
- Hydraulically driven infeed rolls with built in pump group, start – stop coupling and chip size regulation from 1 to 25mm,
- High ejection chute: 3,7 m high, 360° hydraulically revolving, with electrical operated ejector flap (ejection system completely remote controlled),
- Ejection chute is hydraulically foldable with a hand pump,
- Maximum capacity round wood : 400 mm / 16",
- Opening between feeding rolls: 520 mm x 400 mm,

- Round wood diameter max: 270 mm / 11"
- Infeed opening between the rolls: 400 mm x 270 mm / 16" x 11",
- Noise reducing coating,
- 3-point linkage cat II and III,
- Centralised greasing of the lower infeed roll,
- Specially designed, open infeed funnel with chain feed system,
- Antistress system "SPECIAL ADVANCED" + emergency stop buttons,
- Remote controlled infeed rolls by means of radio control or remote control (with emergency stop),
- Minimal required tractor horsepower = 110HP,
- Weight = 1900kg.

- PTO shaft size at the main axle end: 1" ¼, with PTO-shaft with free wheel W2500,
- Hydraulically driven infeed rolls with built in pump group, stop – reverse coupling and chip size regulation from 1 to 25 mm,
- Electrically operated cable controls for the infeed rolls (with emergency stop),
- High ejection chute, 3 m, extra long (4,50m) hydraulically rotation 360° on extra reinforced ball bearing, by means of tractor hydraulics, with manually adjustable flap,
- Infeed opening between the rolls: 400 mm x 270 mm / 16" x 11",
- Noise reducing coating,
- 3-point linkage cat II and III,
- Centralised greasing of the lower infeed roll
- Minimum required tractor HP = 110HP,
- Weight including crane = 2700kg.

- Anti-stress system SPECIAL ADVANCED included,
- Noise reducing coating,
- 3-point hitch Cat III en IV,
- Centralised greasing of the lower infeed roll and the main axle bearings,
- Hydraulic automatic dampener (against dropping) of the upper infeed roll (VANDAELE® patent n° 2003/0530),
- Upper infeed roll can be lifted with remote control (or with hand pump),
- Top protection hood above the knife disc opens and closes with a hand pump,
- Built in lights (protected),
- Big, integrated oil tank (± 85 litres) + oil cooler 12Y,
- Required tractor HP = between 115 HP and 400 HP,
- Weight = 4.200 kg.



Model FC400, specially developed for forestry; optimum visibility on the infeed opening.



TV40-52 "GIANT" = the biggest machine in our range – insatiable.



TV27-40 with extended crane feed funnel on trailer (optional).



Wood crane with parallelogram system on special built A-frame and adapted 3-point system.

VANDAELE®

STANDARD & OPTIONAL
EQUIPMENT



Crane feed funnel standard with an Antistress system "SPECIAL ADVANCED" – emergency stops included.



Standard: infeed rolls operation only by means of remote control or cable control – with emergency stops (safety).

Standard features on the whole VANDAELE® chipper forestry range:

- Knives with a layer of TUNGSTEN-CARBIDE,
- Counter knives with a layer of TUNGSTEN-CARBIDE,
- Knives and counter knives in sections, easily replaceable,
- Two horizontally placed infeed rolls,
- Each infeed roll driven by its own hydraulic motor,
- Infeed funnel in one piece, special reinforcements for crane operation,
- Antistress system "SPECIAL ADVANCED",
- Cable controlled / remote controlled infeed rolls (with emergency stops),
- Chip size regulation between 1mm and 25mm,
- Ejection chute 300° turn able (EN norm 13525),
- Tar coated top cover for extra noise reduction,
- Direct driven knife disc, no chains or belt drives,
- Minimum knife disc speed on all models = 1000 RPM.

VANDAELE®

STANDARD & OPTIONAL
EQUIPMENT

In the forestry chipper range, VANDAELE® offers a large range of unique options:-

- Removable grid for chip calibration,
- Crane feed funnel – extended version,
- Slow transportation trailer on wheels,
- Foldable ejection chute, with or without manual winch system,
- Longer - shorter ejector chute,
- Parallelogram forestry crane, standard or telescopic version (comes standard on an FC400),
- Joystick controls for the crane, instead of the standard cross handles,
- Other RAL colour, instead of RAL 2011 & RAL 7011.

* The options list above is incomplete. The available option list varies according to machine size and model.



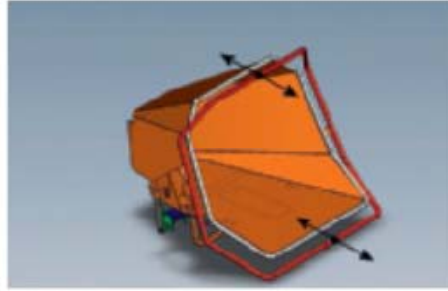
Antistress "SPECIAL ADVANCED" on TV40-52 "GIANT" with additional controls and safety features.



Hydraulic dampener on the top infeed roll of the TV40-52 "GIANT" (VANDAELE® patent n° 2003/0530).



Large range of hand fed wood chippers to choose from.



Safety bar completely wrapped around the infeed funnel on hand fed units (VANDAELE® patent n° 2003/0590).

VANDAELE®

OTHER MODELS

Besides the chipper range, specifically designed for forestry applications, VANDAELE® can also offer a wide choice of alternative wood chipper solutions. These machines also can be of use in a forestry environment because of specific features, such as:

- Standard hand fed tractor driven units – 7 models with different sizes / capacities.
- Compact, tractor driven models, for use in small, confined areas,
- Self propelled models on tracked undercarriage, featuring low ground pressure and high manoeuvrability, for driving on slopes, banks, etc.
- Hydraulic powered machine models for combining with hydraulic tool carriers. These combinations are highly manoeuvrable and can be operated in a lot of different applications,
- Engine driven models, mounted on a high speed trailer, for easy towing between job sites.

VANDAELE® makes a priority of being flexible and customer oriented approach, this is a very important factor in today's professional user market.

Adaptations, meeting specific customer requirements, can be considered relatively easy. This could be anything as from a rather small adaptation to an existing machine model, up to completely built to size units for very specific applications

VANDAELE®

OTHER MODELS




Hydraulic powered wood chipper on a tool carrier – different models available.



Self propelled unit on a tracked undercarriage – different models / possibilities.



VANDAELE **VANDAELE**



www.vandaele-chippers.eu



Also available in the Vandaele forestry machines range:

Forestry mower type "Forestmaster" for pulverising of woody material up to 10cm diameter.



Back mounted flail mowers type "Flailmaster" for maintenance of grasslands.



Stump grinder model H620 for removing of tree stumps.



The Vandaele® products are being developed and produced in accordance with the ISO 9001 : 2000 quality management system.

STOCKER-CREW

PO BOX 203, WARNERS BAY, NSW, 2282

PHONE: (02) 4954 8900

FAX: (02) 4954 8902

alveco@ceinternet.com.au

www.stockercrew.com.au