

**VANDAELE**<sup>®</sup>   
Roadside machinery with green values

## MACHINES FOR PROFESSIONALS



## TRACTOR DRIVEN MACHINES



[www.vandaele.biz](http://www.vandaele.biz)



**MACHINES FOR PROFESSIONALS**

# THE COMPANY

## TRACTOR

**TV 12-20 / TV 16-22 / TV 18-23..... P 06**

**TV 180 / TV20-26..... P 08**

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**SPECIAL MACHINES ..... from P 14**

**crane feeding, hydraulic machines**



“Vandaele Konstruktie” was founded in the early nineties when the original company “Vandaele Brothers”, founded in 1966 by Roland and Robert Vandaele, was split up because of a too wide variety of activities. “Vandaele Brothers” was already renowned since the mid-sixties as one of the first companies that assembled mowers for green-keeping for government and municipal applications.

After the split-up of the mother company, Vandaele Konstruktie further concentrated on its main activities: in-house development and construction of machines for intensive use in the professional green keeping market. In the mid-eighties, Vandaele added professional wood chippers to their range, another segment in which the company reached the absolute top.

## Establishments

Vandaele Konstruktie strengthen its presence on the Belgian market by founding the company Vandaco in Ciney in 1989. 10 years later, this company was expanded and completely modernised. The Oostrozebeke branch is about 8000 m<sup>2</sup> and houses offices, the production department, a repair workshop and a warehouse. Vandaco is about 2000 m<sup>2</sup> and houses offices, a repair workshop and a warehouse.

## Knowhow

Because of the enormous know-how and the experience that was built up during the last decades, Vandaele is able to anticipate perfectly on the always changing customer needs. The advantage of in-house manufacturing ensures that special constructions are easy to deliver upon simple demand of the customer.

Vandaele products are renowned for their high quality, user friendliness and durability. Vandaele is an Iso-certificated company and has a European homologation for its trailers (COC). Vandaele is to be found in over 30 countries.

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BELGIË**

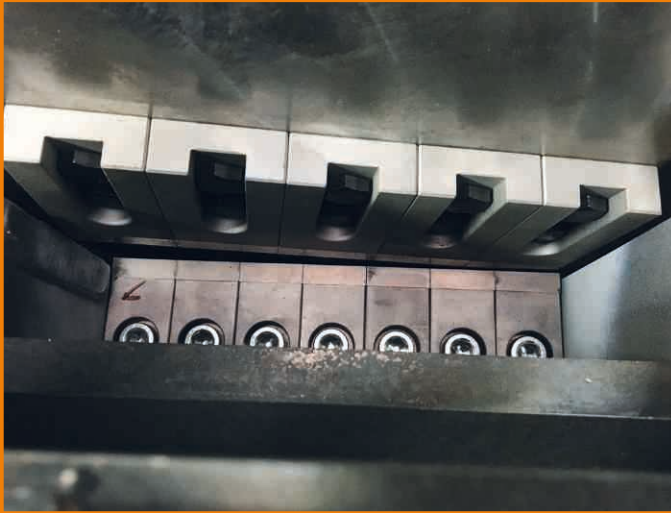
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## STANDARD ON **ALL MACHINES**

- A solid funnel, monocoque or foldable
- Safety bar surrounding the complete funnel, mounted on a parallelogram
- Knives never need sharpening and consist of separate sections. Each section can be replaced individually
- Chipper disc is balanced, mounted on heavy bearings and equipped with welded ventilation blades on the back of the disc
- Double aggressive infeed rolls in tempered steel
- Hardox housing
- Discharge chute 300° rotation (EN13525)
- Centralized greasing points
- Anti-stress system
- Easy access to knives and counter knives
- Noise reducing coating on top cover and discharge chute
- CE-certified



# INDIVIDUAL ADJUSTMENTS



Personalize your machine with your company colours. The machine can be painted in any RAL colour.



Every tractor driven machine can be mounted on a slow speed trailer.



Transparent flaps in the funnel.



Electric top cover lock.



Comb in the top cover/discharge chute for calibrated chips.



Foldable discharge chute, with or without manual winch.



Rotating versions.



LED lighting with protection on top of the funnel.



Gearbox 540 RPM.



Extended or shortened discharge chute. According to your wishes.





**TV 12-20**

**The smallest performer in the range**



**TV 16-22**

**Powerful and robust “workhorse”**



**TV 18-23**

**Compact 18 cm machine**

**VANDAELE®**   
Roadside machinery with green values

## STANDARD

Knives in Tungsten carbide

Counter knife in Tungsten carbide

PTO driven : 1000 RPM (540 RPM optional)

Chipper disk Ø 680 mm

Hydraulic drive of both infeed rolls with reverse gear and chip length control from 0 to 25 mm, fed by their own pump group

PUSH-handle with safety device against unsuspected switch-on

Discharge chute: ± 2,3 m high, 300° rotation (EN 13525)

Anti-stress system SECURE

Three-point linkage

Noise reducing coating

Freewheel PTO shaft included



## OPTIONAL

TV 12-20 P

TV 16-22 P

TV 18-23 P

Gearbox 540 RPM

✓

✓

✓

Slow speed trailer 40 km/h, one axle with wide tires, DIN eye Ø 50 mm and support wheel. Longer PTO shaft, mud guards and lights included

✓

✓

✓

Extra ball-coupling

✓

✓

✓

Transparent flaps in the funnel

✓

✓

✓

Lighting with protection, under or on top of the funnel

✓

✓

✓

Electric top cover lock

✓

✓

✓

Heavy-duty PTO shaft W2400 instead of W2300

✓

✓

Other RAL colour instead of RAL 2011

✓

✓

✓

Other RAL colour instead of RAL 7011

✓

✓

✓

Extended discharge chute (+1m) on turntable

✓

✓

Studded top infeed roll

✓

✓

Emergency buttons on the funnel or on the top cover

✓

✓

✓

2-part foldable funnel

✓

✓

✓

Rotating version (270°)

✓

✓

Dual anti-stress (750 & 1000 rpm PTO)

✓

✓

✓

Infeed rolls driven by the tractor hydraulics (cheaper)

✓

✓



**VANDAELE**<sup>®</sup>  
Roadside machinery with green values

**The middle-class size models  
for professionals**



**TV20-26**



**TV180**



## STANDARD

Knives in Tungsten carbide

Counter knife in Tungsten carbide

Chipper disc Ø 800 mm

PTO driven: 1000 RPM (540 TPM in option)

Hydraulic drive of both infeed rolls with reverse gear and chip length control from 0 to 25 mm, fed by their own pump group

PUSH-handle with safety device against unsuspected switch-on

High discharge chute, 2,5 m high, 300° rotation (EN13525), on ball-bearing, with adjustable ejector flap

Anti-stress system SECURE

Three-point linkage cat. I or II

Noise-reducing coating

Free-wheel PTO shaft included

Centralized greasing of the lower infeed roll

## OPTIONAL

TV 180 P

TV 20-26 P

Gearbox 540 RPM

✓

✓

Slow speed trailer on tires 10.0/75-15.3 with fixed drawbar and support wheel, mud guards and lights included.  
Din eye or ball-coupling

✓

✓

Extra ball-coupling

✓

✓

Transparent flaps in the funnel

✓

✓

Lighting with protection, under or on top of the funnel

✓

✓

Electric top cover lock

✓

✓

Heavy-duty PTO shaft W2400 instead of W2300

✓

✓

Other RAL colour instead of RAL 2011

✓

✓

Other RAL colour instead of RAL 7011

✓

✓

Extended discharge chute (+1 m) on turntable

✓

✓

Foldable discharge chute + lock

✓

✓

Manual winch to lower the discharge chute

✓

✓

Rotating version 2 x 90° or 270°

✓

✓

Emergency buttons on the funnel or on the top cover

✓

✓

2-part foldable funnel

✓

✓

dual anti-stress (750 & 1000 rpm PTO)

✓

✓





**TV 250**

***Our first built, original Vandaele unit***



**TV 22-32**

***Robust and insatiable work horse !***



**TV 27-40**

***The most versatile model  
in the Vandaele range***

**VANDAELE®**   
*Roadside machinery with green values*

## STANDARD

Knives in Tungsten carbide

Counter knife in Tungsten carbide

Chipper disk Ø 1000 mm

PTO driven : 1000 RPM (540 RPM optional)

Hydraulic drive of both infeed rolls with reverse gear and chip length control from 0 to 25 mm, fed by their own pump group

PUSH-handle with safety device against unsuspected switch-on

High discharge chute, 3 m high, 300° rotation (ENI 3525), on ball-bearing, with adjustable ejector flap

Anti-stress system SECURE

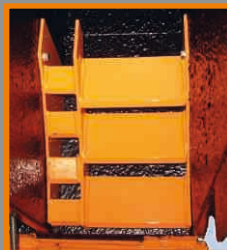
Three-point linkage

Noise reducing coating

Freewheel PTO shaft included

Centralized greasing of the lower infeed roll

Pressure monitoring of the hydraulic circuit



## OPTIONAL

TV 22-32 P

TV 250 P

TV 27-40 P

Gearbox 540 RPM

✓

✓

✓

Slow speed trailer 40 km/h, one axle with wide tires, DIN eye Ø 50 mm and support wheel. Longer PTO shaft, mud guards and lights included. For fixed machines

✓

✓

✓

Extra ball-coupling

✓

✓

✓

Transparent flaps in the funnel

✓

✓

✓

Lighting with protection, under or on top of the funnel

✓

✓

✓

Electric top cover lock

✓

✓

✓

Dismountable comb in the discharge chute for chip calibration

✓

✓

✓

Other RAL colour instead of RAL 2011

✓

✓

✓

Other RAL colour instead of RAL 7011

✓

✓

✓

Extended discharge chute (+1m) on turntable

✓

✓

✓

Shorter discharge chute

✓

✓

✓

Foldable discharge chute + lock

✓

✓

✓

Standard funnel, but 4 and 6 mm thick, with handle (manual and crane feeding)

✓

Manual winch to lower the discharge chute

✓

✓

✓

Hour meter

✓

✓

✓

2-part foldable funnel

✓

✓

✓

Dual anti-stress (750 & 1000 rpm PTO)

✓

✓

✓



**TV 40-52 "GIANT"**  
**The Giant in the Vandaele range**

## STANDARD

Knives in Tungsten carbide

Counter knife in Tungsten carbide

Chipper disk Ø 1360 mm

PTO driven : 1000 RPM

Hydraulic drive of both infeed rolls with reverse gear and chip length control from 0 to 25 mm, fed by their own pump group

High discharge chute, 3,75 m high, 360° rotation (EN13525), on ball-bearing, with adjustable ejector flap. Completely radio-controlled

Discharge chute hydraulically foldable by means of a manual pump

Anti-stress system **SECURE ULTRA** included

3-point linkage cat. III and IV

Noise-reducing coating

Freewheel PTO shaft W2600 included

Centralized greasing of the lower infeed roll and the main axle bearings

Hydraulic automatic dampener (against dropping) of the upper infeed roll.

Upper infeed roll can be lifted with remote control (or with manual pump)

Top protection hood above the chipper disc opens and closes with a manual pump

Built-in lights (with protection)

5" touch screen

Pressure monitoring of the hydraulic circuit

360° light tower

Hour meter

Emergency buttons on the chipper

Machine + frame in super elastic steel quality

## OPTIONAL

Other RAL colour instead of RAL 2011

Other RAL colour instead of RAL 7011

Higher (+80cm) and extended (+100 cm) discharge chute

Dismountable comb in the discharge chute for calibrated chips.

RIFD keys (anti-theft) : 2 pieces



**Machine for crane feeding**  
**TV 27-40 PGA no chain conveyor belt**



## STANDARD

3 Knives in Tungsten carbide

Counter knife in Tungsten carbide

PTO driven : 1000 RPM – PTO axle diameter on the main axle : 1" 3/4

Number of revolutions of the disc : 1000 RPM

Hydraulic drive of both infeed rolls with reverse gear and chip length control from 0 to 25 mm, fed by their own pump group

Remote control of the infeed rolls : infeed – stop – reverse – emergency buttons

High discharge chute, 3 m high, 300° rotation (EN 13525), on ball-bearing, with adjustable ejector flap

maximum diameter of the wood : 270 mm.

Infeed opening : 400 mm x 270 mm

Funnel for crane feeding only 1.70 m + extended three-point (machine NOT rotating)

Anti-stress SECURE ULTRA with four emergency buttons, 5" touch screen and light tower.

Hour meter

Noise reducing coating

Extra inner arch for maximum ejection capacity

Three-point linkage Cat II en III

Freewheel PTO shaft W 2500 included

Centralized greasing of the lower infeed roll

Pressure monitoring of the hydraulic circuit

## SPECIFICATION

## TV 27-40 PGA

Maximum diameter of the wood (cm)	27
Infeed opening (H x L)	270 x 400
Diameter chipper disk (mm)	1000
Thickness of the chipper disk (mm)	35
Number of knives	3
Total number of knife sections	24 (3 x 8)
Total number of counter knife sections	11
Infeed rolls	2 – horizontal
Hydraulic oil capacity	15 liters
Height discharge chute (cm)	280
Weight (Kg)	1.600
Measurements infeed funnel (L x B x H)	170 x 120 x 60 cm
Measurements of the machine L x B x H	310 x 190 x 300 cm

## OPTIONAL

Foldable discharge chute + lock

Manual winch to lower the discharge chute

Axle with hydraulic brakes (trailer slow speed)

Electric top cover lock

Other RAL colour instead of RAL 2011

Other RAL colour instead of RAL 7011

Extended discharge chute (+ 1m) on ball-bearing

Dismountable comb in the ejector chute for chip calibration

Low speed trailer, 40 km/h, on a single axle, drawbar with DIN-eye Ø 50 mm and support wheel, long PTO-shaft, mudguards and lights. For machines with crane feed funnel with or without steel conveyor belt. Tires BKT 15.0/55 – 17AW909.



**Machine for crane feeding**  
**TV 27-40 PGAC with chain conveyor belt**



## STANDARD

Knives in Tungsten carbide

Counter knife in Tungsten carbide

PTO driven : 1000 RPM – PTO axle diameter on the main axle : 1" 3/4

Number of revolutions of the chipper disk : 1000 RPM

Hydraulic drive with built-in pump group to drive the infeed rolls (and steel chain conveyor belt), with reverse gear and chip length control from 0 to 25 mm

Remote control of the infeed rolls (and the steel conveyor belt) : infeed – stop – reverse – emergency buttons

High discharge chute, 3 m high, 300° rotation (EN 13525), on ball-bearing, with adjustable ejector flap

Maximum diameter of wood : 270 mm.

Infeed opening : 400 mm x 270 mm

Funnel for crane feeding with steel conveyor belt of 1,70 or 2,80 m, adjusted hydraulic power + double pump + oil cooler. Extended three-point (machine NOT rotating). Closed crank house under the infeed chain to dispose of the wood waste.

Anti-stress SECURE ULTRA with four emergency buttons, 5" touch screen and light tower

Hour meter

Incorporated protected lighting

Noise reducing coating

Extra inner arch for maximum ejection capacity

Three-point linkage Cat II en III

Freewheel PTO shaft W 2500 included

Centralized greasing of the lower infeed roll

Pressure monitoring of the hydraulic circuit



## SPECIFICATION

	TV 27-40 PGAC
Maximum diameter of the wood (cm)	27
Infeed opening (H x L)	270 x 400
Diameter chipper disk (mm)	1000
Thickness of the chipper disk (mm)	35
Number of knives	3
Total number of knife sections	24 (3 x 8)
Total number of counter knife sections	11
Infeed rolls	2 – horizontal
Hydraulic oil capacity	15 liters
Height discharge chute (cm)	300
Weight (Kg)	1.600
Measurements infeed funnel (L x B x H)	170 x 120 x 60 cm
Measurements of the machine L x B x H	310 x 190 x 300 cm

## OPTIONAL

Low speed trailer, 40 km/h, on a single axle, drawbar with DIN-eye Ø 50 mm and support wheel + two extra supporting legs at the rear under the funnel, long PTO-shaft, mudguards and lights. For machines with crane feed funnel with or without steel conveyor belt. Tires BKT 15.0/55 – 17AW909.

Axle with hydraulic breaks

Foldable discharge chute + lock

Manual winch to lower the discharge chute

Electric top cover lock

Other RAL colour instead of RAL 2011

Other RAL colour instead of RAL 7011

Dismountable comb in the discharge chute for chip calibration.

Extended discharge chute (+ 1 m)

Shorter discharge chute

RFID keys (anti-theft) : 2 pieces



**TV 180 H • TV 20-26 H • Hydraulically driven machines**



**VANDAELE**   
Roadside machinery with green values

## STANDARD

Knives in Tungsten carbide

Counter knife in Tungsten carbide

Speed of chipper disc : 1000 RPM

Hydraulic drive of the chipper disc by means of a hydraulic engine (up to 220 bar) with anti-cavitation valve

PUSH-handle with safety device against unsuspected switch-on

Minimal required hydraulic power : 70 liters/min max. 100 liters/min at 220 bar.

Manual 3-way valve to start/stop the chipper disc

Anti-stress system **SECURE**

2 hydraulically driven infeed rolls with built in pump group, with stop and reverse coupling and chip size regulation from 1 to 25 mm

Machine revolving over 270°, mounted on a turntable

High discharge chute, 2,5 m high, 300° rotation (EN 13525), on ball-bearing, with adjustable ejector flap

Mounted on the carrier through an adapted quick-change system (exact measurements to be provided with the order)

Noise reducing coating

Hydraulic hoses with quick couplers

Centralized greasing of the lower infeed roll

## SPECIFICATION

	TV 180 H	TV 20-26 H
Maximum diameter of the wood (cm)	18 cm	20 cm
Infeed opening (H x L)	180 x 260	200 x 260
Diameter chipper disk (mm)	800	800
Thickness of the chipper disk (mm)	35	35
Number of knives	2	2
Total number of knife sections	14 (2 x 7)	14 (2 x 7)
Total number of counter knife sections	8	8
Infeed rolls	2 – horizontal	2 – horizontal
Hydraulic oil capacity	10 liters	10 liters
Height discharge chute (cm)	250	250
Weight (Kg)	1.750	1.750
Measurements infeed funnel (L x B x H)	150 x 115 x 85 cm	150 x 115 x 85 cm
Measurements of the machine (L x B x H)	230 x 140 x 245 cm	230 x 140 x 245 cm

## HYDRAULIC

### OPTIONAL

	TV 180 H	TV 20-26 H
Foldable discharge chute + lock	✓	✓
Manual winch to lower the discharge chute	✓	✓
Transparent flaps in the funnel	✓	✓
Light bar with protection on top of the funnel	✓	✓
Electric top cover lock	✓	✓
Other RAL colour instead of RAL 2011	✓	✓
Other RAL colour instead of RAL 7011	✓	✓
Extended discharge chute (+ 1 m)	✓	✓
Two-part foldable funnel	✓	✓
Emergency buttons on the funnel or on the top cover	✓	✓

# TRACTOR DRIVEN MACHINES

## Horticultural machines

SPECIFICATIONS	TV 12-20 P	TV 16-22 P	TV 18-23 P
Maximum diameter of the wood (cm)	12	16	18
Infeed opening (H x L)	120 x 200	160 x 225	180 x 230
Diameter chipper disk (mm)	680	680	680
Thickness of the chipper disk (mm)	20	30	30
Number of knives	2	2	2
Total number of knife sections	10 (2 x 5)	10 (2 x5)	10 (2 x 5)
Total number of counter knife sections	6	7	7
Infeed rolls	2 - horizontal	2 – horizontal	2 – horizontal
Hydraulic oil capacity	8,5 liters	8,5 liters	8,5 liters
Required power (kW/HP)	15/20	18,5/25	22,5/30
Height discharge chute (cm)	230	230	230
Weight (Kg)	496	600	600
Measurements infeed funnel (L x B x H)	135 x 100 x 92 cm	135 x 100 x 92 cm	135 x 100 x 92 cm
Measurements of the machine (L x B x H)	218 x 125 x 215 cm	223 x 125 x 235 cm	223 x 125 x 235 cm

## Communal machines

TV 180 P	TV 20-26 P
18	20
180 x 260	200 x 260
800	800
35	35
2	2
14 (2 x 7)	14 (2 x 7)
8	8
2 – horizontal	2 – horizontal
10 liters	10 liters
30/40	33/45
250	250
760	760
150 x 115 x 85 cm	150 x 115 x 85 cm
230 x 140 x 245 cm	230 x 140 x 245 cm

# TRACTOR DRIVEN MACHINES

## Machines for contractors

SPECIFICATIONS	TV 22-32 P	TV 250 P	TV 27-40 P
Maximum diameter of the wood (cm)	22	25	27
Infeed opening (H x L)	220 x 320	250 x 320	270 x 400
Diameter chipper disk (mm)	1000	1000	1000
Thickness of the chipper disk (mm)	35	35	35
Number of knives	2	3	3
Total number of knife sections	16 (2 x 8)	24 (3 x 8)	24 (3 x 8)
Total number of counter knife sections	10	10	11
Infeed rolls	2 – horizontal	2 – horizontal	2 – horizontal
Hydraulic oil capacity	15 liters	15 liters	15 liters
Required power (kW/HP)	45/60	45/60	68/90
Height discharge chute (cm)	300	300	300
Weight (Kg)	1.250	1.350	1.550
Measurements infeed funnel (L x B x H)	155 x 125 x 90 cm	155 x 125 x 90 cm	155 x 125 x 90 cm
Measurements of the machine (L x B x H)	270 x 175 x 300 cm	270 x 175 x 300 cm	290 x 175 x 300 cm

## The Giants

TV 31-42 P	TV 40-52 P
31	40
310 x 420	400 x 520
1250	1360
35	40
2	2
20 (2 x 10)	24 (2 x 12)
8	18
2 - horizontal	2 – horizontal
87 liters	115 liters
150	180/500
385	375
3500	4.600
170 x 125 x 100	180 x 195 x 102 cm
330 x 190 x 390	340 x 225 x 395 cm

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# VANDAELE®

Roadside machinery with green values



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