

Teagle

TOMAHAWK C120

Bale Processor



teaglemachinery.com @ f y

PRECISION PROCESSING RANGE



TOMAHAWK 404/505M

Capacity up to 2.2t/hr
Material output: 3/8'-5"
80HP (min.)



TOMAHAWK 404/505XLM

Capacity up to 2.2t/hr
Material output: 3/8'-5"
120HP (min.)



TOMAHAWK 500B

Capacity up to 2.2t/hr
Material output: 3/8'-5"
120HP (min.)



TOMAHAWK 500FSM

Capacity up to 3.8t/hr
Material output: 3/8'-5"
120HP (min.)



TOMAHAWK 500E (Electric Mill)

Capacity up to 3.8t/hr
Material output: 3/8'-5"
45kW



TOMAHAWK C120

Capacity up to 16.5t/hr
Material output: 3/8'-5"
180HP (min.)



TOMAHAWK 8250 | M

Capacity up to 2.5t/hr
Material output: 2" (min.)
150HP (min.)



TOMAHAWK 8250 | T

Capacity up to 2.5t/hr
Material output: 2" (min.)
80HP (min.)



TOMAHAWK 8555

Capacity up to 2.5t/hr
Material output: 2" (min.)
80HP (min.)



Established in 1937, Teagle Machinery began manufacturing the Tomahawk bale processor in 1983. We remain a family business focussed on meeting the needs of our customers whether just around the corner, or in one of the 50 countries worldwide to which we regularly ship machinery. From the outset, our machinery has been designed to be simple, robust and easy to use.

We still stand by these values, with all our products being tested extensively on farms throughout the world to ensure that they perform reliably day-in day-out, under the toughest conditions. As sales of Tomahawk bale processors continue to grow, the reasons that customers return time after time to buy from Teagle are twofold:

Product Focus - We actively invest in research, design and manufacturing technology to ensure that our product range constantly evolves to remain at the cutting edge, whilst being available at a competitive price. Through our focus on feeding and bedding machinery over the last 40 years we are able to offer a machine to fulfil your needs.

Backup – After-sales support is our priority, requiring commitment to a comprehensive parts stock and effective dealer network. We dedicate part of our 291,000ft² facility in Cornwall to a substantial stock of wearing and non-wearing parts to keep you up and running.

teaglemachinery.com   

CALIBRATOR

A High Capacity Mill for processing dry materials such as straw and miscanthus to a consistently short length for Bedding, Feeding and Biofuel Applications. Calibrate material length from 3/8"-5".

BEDDING



FEEDING



BIOMASS



- POULTRY BEDDING
- CUBICLE BEDDING

- TMR PRE-PROCESSING
- GRAIN MILLING

- PELLETING/BRIQUETTING
- BIOGAS

PROCESSING OUTPUT

	STRAW				WHEAT/BARLEY	MAIZE
Length	3/8	1-1/4"	2"	4"	N/A	N/A
t/hr	up to 4.5t/hr	up to 6.6t/hr	up to 11t/hr	up to 16.5t/hr	up to 11t/hr	up to 33t/hr
Screens	1/2"/1/2"	3/4'-1-1/6	1-1/2"-2.0"	3.0"-4.0"	1/8"--3/16"	3/8-7/16'

Output dependent on HP, processing length and moisture content

3 EASY STEPS, JUST 1 OPERATOR

Straightforward setting of material calibration ensures you get up and running in minutes. Manage bale processing remotely from the loader vehicle via tethered WiFi control, with no tractor operator required.



SET

Select suitable screens for your application and unfold conveyor to the desired discharge height.

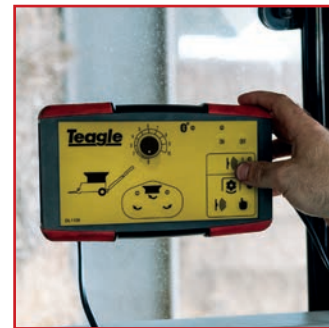
Remove bale strings, run the C120 up to operating speed (1000rpm PTO), and load the tub grinder.



PROCESS

Material is processed against a Hardox shear bar.

A pair of interchangeable and reversible screens control the output length, with processed material falling onto the discharge conveyor below.



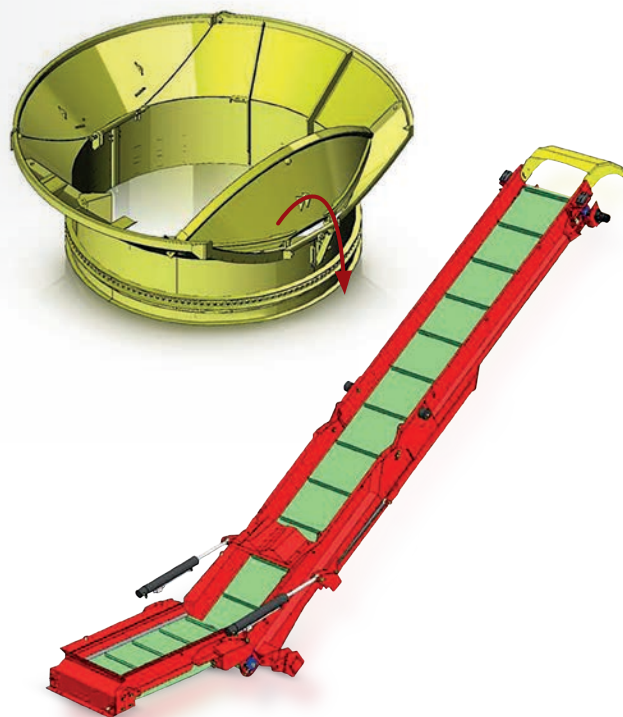
OPTIMISE

Tractor power loading is controlled remotely from the loader vehicle via WiFi from up to 150ft away.

To maximise throughput and prevent overloading, the C120 governs bale chamber rotation automatically.

C120 PRODUCT UPDATE

- ✓ **Easier Loading:** The tub shape has been updated to make it easier to load (see image).
- ✓ **Safe highway transport:** Folding sides have been designed into the tub for safe and compliant highway use.
- ✓ **A wider range of materials:** The clearance from screen to mill chamber has been doubled to improve output and enable processing of materials with higher moisture content.
- ✓ **Increased capacity conveyor:** There are now two drives, one to discharge from the rotor chamber, and one to deliver processed material (see image). Delivery conveyor is wider and longer.
- ✓ **Smoother power loading:** Software updates ensure tractor power load peaks are minimised, whilst the output remains high.
- ✓ **Easier maintenance:** An auto greasing system provides regular lubrication to main driveline bearings.
- ✓ **More durability:** With a new sintered Tungsten Carbide hammer design.



PAINT LINE INVESTMENT

As part of our commitment to improving product quality, we are proud to introduce our ALL-NEW DOUBLE POWDER COAT PAINT LINE facility. Housed in a new purpose built 20,450ft² building, our new paint line replaces our previous single power coat line and delivers market leading paint quality.

The new system features state of the art automation through the following processes:

- 1 **Shot blasting**
- 2 **Primer Powder Application**
- 3 **Green Cure Oven**
- 4 **Top Coat Powder Application**
- 5 **Final Cure Oven**
- 6 **Quality Inspection**

The full powder recovery system cleans and recycles unused powder resulting in zero waste.

To improve paint adhesion, we have also invested heavily in our prepaint

processes, with parts cleaned and processed through a linishing machine, removing sharp edges and reducing the risk of paint failure on edges.

The result is a rounded edge, benefiting from two applications of powder coat paint which offers much greater protection from corrosion and chemical attack.

Our in-house quality control includes 1,000 hours of salt spray testing on sample parts to replicate a 10 year operating life.



Automated Shotblaster



Primer Powder Booth



Top Coat Powder Application



Quality Control Inspection

YOUR advantage

TOMAHAWK C120

A high capacity mill for processing dry materials such as straw and miscanthus to a consistently short length for feeding, bedding and biofuel.

STANDARD

Automatic Power Loading

Rotor speed is monitored and bale chamber rotation automatically governed to optimise output for available tractor power. The operator can override bale chamber rotation from the loader vehicle via a WiFi control desk.

STANDARD

Folding Conveyor

The dual hydraulic drive conveyors minimises dust and can deliver milled material up to 15ft high into a trailer or onto a bunker pile. Conveyor can be folded from the comfort of the tractor seat. (Optional deflector illustrated.)

STANDARD

Safe Road Transport

The C120 is homologated to 25mph, incorporating a high strength chassis, Air brakes, approved 285/55 R22 wheels and various hitch options. Road lighting includes LED lamps and rotating beacon, as well as statutory side markers.

Standard equipment

High Capacity Driveline | Independent Hydraulics
Folding Conveyor | Automatic Power Loading | Auto Greasing
WiFi control | Air Brakes | Homologation to 25mph

Optional Equipment

Additional Screens | Conveyor Deflector | Clevis or K80 Hitch
Grain Milling Hopper | 21 Spline PTO | C-Type or Palm Type Brake Coupling
Low Temperature Oil Heater and Conveyor | Hydraulic jack

STANDARD

Guards

Angled guards keep machine clean.



STANDARD

Folding Tub

Folds to fall within the legal road transport width. It can easily be loaded with a tractor fore-end loader or telehandler. A heavy duty double pitch chain drives the tub, which sits on large diameter rollers.

The tub drive chain is automatically oiled by a pressurised cartridge.

STANDARD

Ease of Maintenance for Reliability

A ladder and platform provide a safe viewing position into the tub. Hinged maintenance covers and a centralised greasing bank for the driveline ensure straightforward routine maintenance.

STANDARD

Operator Information

A beacon on the viewing platform indicates low rotor speed, warning against either entering or loading more material into the tub.

STANDARD

Spare Screen Storage

Up to four spare screens can be stored in a rack positioned within the C120 body for safe transport and instant access on farm.

STANDARD

Independent Hydraulics

Protect the tractor hydraulic oil from overheating and contamination with the independent 33.5 gallon oil system, fitted with auto-reverse cooling fan.

STANDARD

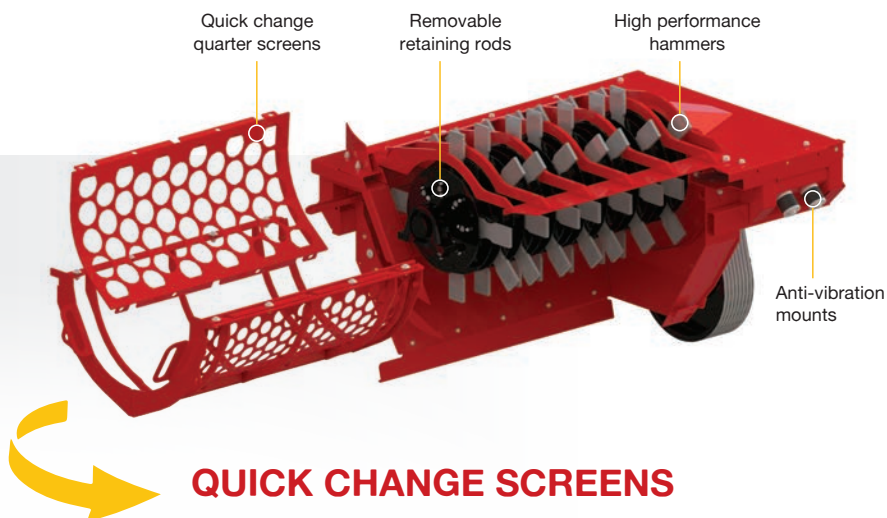
High Capacity Driveline

The driveline has shearbolt protection, overrun protection, and a massive 8 belt drive system with 280HP capacity.

CUTTING edge

HIGH CAPACITY ROTOR

- ✓ Rotor speed is 2000rpm, generating a hammer tip speed of 165 mph.
- ✓ High performance taper lock spherical roller bearings with automatic lubrication ensure reliability.
- ✓ For a long service life the rotor discs are manufactured from Hardox.
- ✓ Anti-vibration mounts minimise wear and tear, and operating noise.
- ✓ A high flow bale restraint is available for greater output when processing dry straw.



QUICK CHANGE SCREENS

- ✓ Screen switch is achieved at ground level from the rear of the C120, with no need to climb into the bale chamber.
- ✓ Interchangeable screens comprise two quarter circle sections that are reversible when worn to maintain milling performance.
- ✓ For additional cut control, hole sizes in each quarter screen can be different.

UPGRADED HAMMER DESIGN



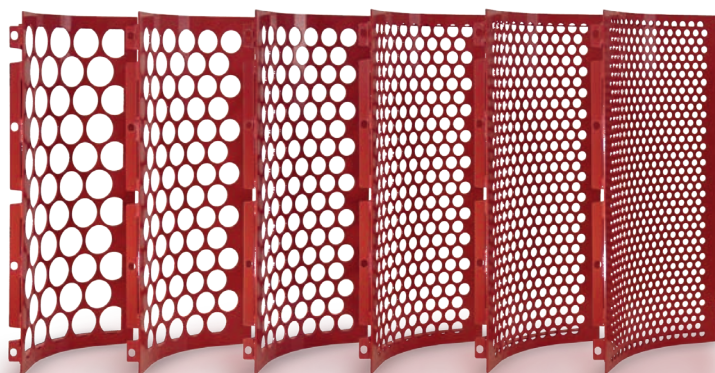
- ✓ 56 high performance hammers process material against a reversible shear bar.
- ✓ Hammers now feature a sintered Tungsten Carbide edge facing for greater durability.
- ✓ Hammers are reversible for a longer service life.
- ✓ The hammers rotate on hardened bushes to ensure durability of the retaining rods.

SCREEN OPTIONS

The C120 is supplied with a set of two quarter circle screens as standard.

Screens are available with 5", 4", 3", 2½", 2", 1½", 1¼", ¾", ½" hole sizes.

Up to 4 additional spare screens can be stored in a rack located inside the C120.



grain milling HOPPER

ADD MORE VALUE to the Tomahawk C120 Bale Processor

Fit the optional Grain Milling hopper into the bale chamber and fine screens to the milling system to quickly convert the C120 from a bale processor to a high capacity grain mill.

The C120 grain hopper is designed for convenient operation and safe highway use. The hopper does not need to be removed to fold the sides of the tub, and the conveyor is safely supported within the hopper body when in the transport position.



CAPACITY	OUTPUT BARLEY / WHEAT	OUTPUT MAIZE
85 bushel	up to 11t/hr	up to 33t/hr



WHEAT / BARLEY • 5/32" – 5/32" Screens



MAIZE • 5/16" – 7/16" Screens

FEED RATE CONTROL

The feed rate to the mill rotor is easily adjusted using the tractor hydraulics to control the grain shutter position. An indicator shows the position of the shutter from the tractor cab.

SAFE OPERATION

The drum rotation is isolated using a safety lockout when the grain hopper is installed.

EASY LOADING

The large 85 bushel hopper, an increase of 25% on the previous version, can easily be loaded using a handler bucket or auger. Max. bucket width: 9ft.

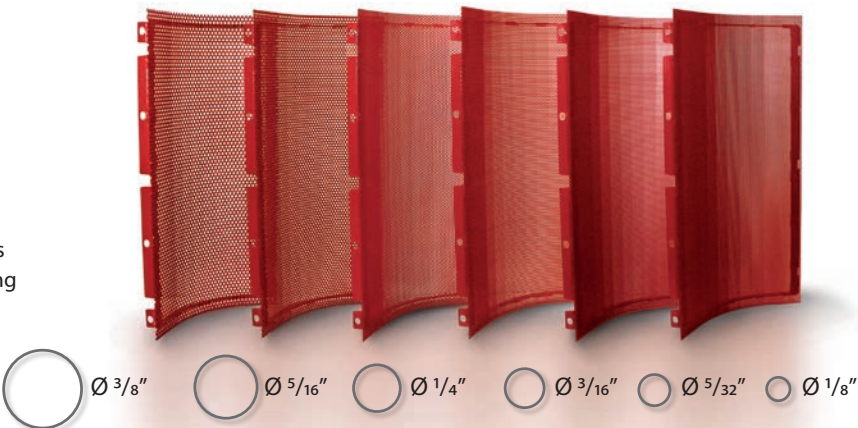


HOPPER DIMENSIONS

Hopper length: 116"	Hopper width: 78"
Hopper capacity: 85 bushel	Loading height: 128"

SCREEN OPTIONS

Select quick-change screen combinations to suit the grain being processed



WATCH THE
CUSTOMER
REVIEW

customer REVIEW



TOMAHAWK C12 CONSISTENT PERFORMER

narrow and very compact, it's easy to get around farmers yards and the narrow South Devon roads."

"Because we are only using up to 200HP on the C12, load sensing is very important to us because it doesn't overload the tractor so we still get good outputs from the machine."

"With the C12 most of our work is done through either feeding straw and bedding straw, so we're using two different screens - one to give us a 2.0" chop length and the other one to give a 3/4" chop length. To change the screens is relatively simple, it's all done from the ground, from low level from the back of the machine. We haven't had any problems with the C12 at all. I would recommend it to anybody."

CAPACITY	TRACTOR HP	MATERIAL OUTPUT
UP TO 12T/HR	180-280	20-100MM

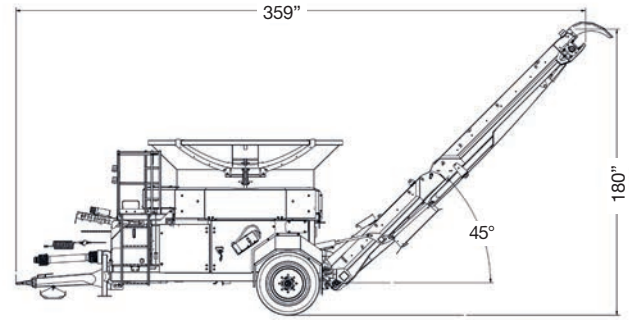
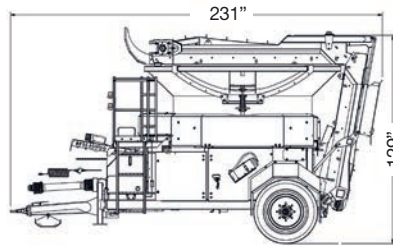
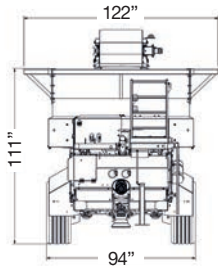
John Haddy (JS Haddy Agricultural contracting)
based in Kingdridge South Devon.

"Farmers are cutting their silage earlier to get better quality sugar levels, so now they need straw to balance the feed for a better ration. To support this need we purchased a Tomahawk C12. We found the C12 very simple to use and due to the machine being short,



WATCH THE
CUSTOMER
REVIEW

SPECIFICATIONS



GENERAL

Bale chamber diameter at base	86"	Weight	6.0ton
Bale chamber loading diameter	118"	PTO Speed	1000rpm

TRANSPORT

Transport width (folded)	94"
Transport width (not folded)	122"
Transport length	231"
Transport height	129"

WORKING

	45°
Overall length	359"
Conveyor discharge height (max.)	180"
Loading height	111"

TRACTOR HYDRAULIC SERVICES

Two double acting (DA) for conveyor positioning. Optional one DA for hydraulic jack and one DA for grain milling hopper

The company's policy is one of continuous improvement and development, therefore specifications are subject to change without prior notice.

OPTIONAL equipment

PROCESSING OPTIONS

Additional Screens

Quick Change Screens available in 5", 4", 3", 2 1/2", 2", 1 1/2", 1 1/4", 3/4" and 1/4" sizes. (see p.5)

Grain Milling Hopper

Quickly convert the C120 from a bale processor to a high capacity grain mill. 3/8", 5/16", 1/4", 3/16", 5/32", 1/8" screens available. (see p.6)

High-flow Bale Restraint

Dry straw output can be increased by fitting the High Flow Bale Restraint.

HIGHWAY OPTIONS

Clevis or K80 Hitch

An optional 80mm ball hitch or clevis hitch can be specified in lieu of the standard bolt-on ring hitch.

Hydraulic Jack

For connection direct to a tractor spool is mandatory when clevis or K80 hitch is specified.

C-Type or Palm Type

Air Brake Coupling

Configure the C120 to match your tractor air brake coupling system

CONVEYOR OPTIONS

Conveyor Deflector

To improve control of processed material into a pile or trailer, specify the conveyor deflector. (Illustrated on p.3)

Low Temperature Kit (-4F/-20°C)

Oil Heater and Conveyor Kit

Extend min. operating temperature from 5F (-15°C) to -22F (-30°C) with a low temperature conveyor belt and oil heater (110V and 220V options available).

MISCELLANEOUS

21 Spline PTO

Factory fit 21 spline PTO available as an option.

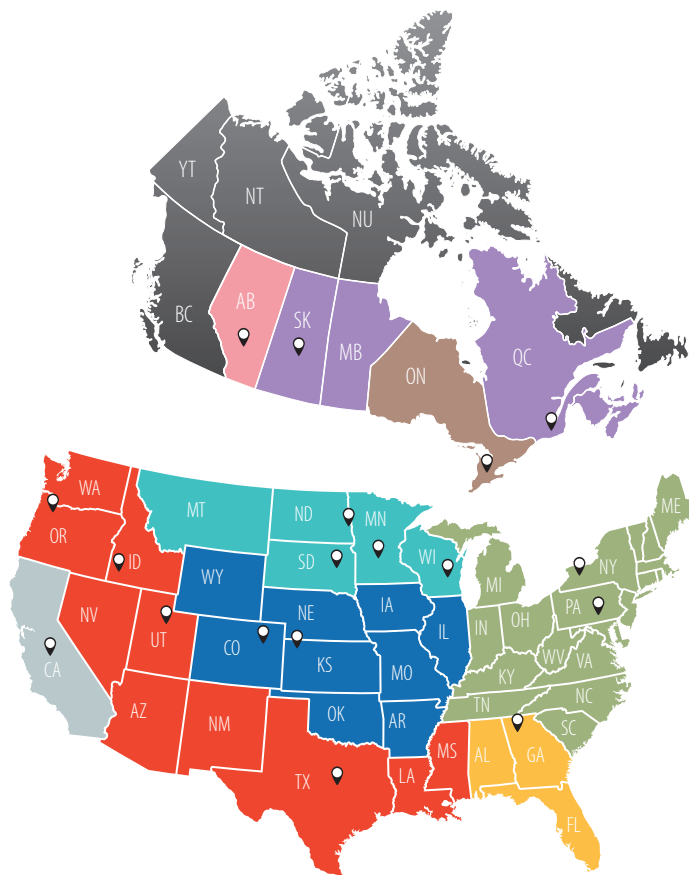
Teagle

With over **85 years** experience in designing and manufacturing of agricultural machinery you can be confident when you choose Teagle.

Contact us today to discuss your individual requirements.

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KEY:

Distributor Locations ■ Beaver Valley Supply ■ Cummings & Bricker ■ Edney ■ General Implement
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Tomahawk 404M



Tomahawk 505FSM



Tomahawk C12

View our full range at **teagle.co.uk**

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