Abrasive cutting just got more cutting edge. STIHL introduces another industry first with the TS 500i STIHL Cutquik® cut-off machine – the first handheld outdoor power tool to offer an electronically controlled fuel-injection system. This system increases power and performance over 15% while remaining lightweight and well-balanced. The fuel injection system makes starting easier and more reliable by eliminating the choke. Just set the switch to on, prime and pull.

Balanced, lightweight, powerful and fuel-injected, this 14” cut-off machine is designed for superior balance and handling during your toughest jobs. And just like a powerful sports car, you will be impressed with the amazing acceleration of this machine, getting you back to speed faster than you thought possible. The STIHL TS 500i also features a high-efficiency engine with low exhaust emissions and optimal torque throughout its RPM range. Its Electronic Water Control (EWC) allows for easy water flow adjustment while cutting and its X2 air filtration system maintains an incredible 99.96% cleaning efficiency. This machine has it all, so very little can stand in your way.

NOTE: Abrasive wheel included. Diamond wheel (shown) sold separately.

Are you ready for a STIHL?

Important Information

WARNING! Never use carbide-tipped, wood cutting or circular saw blades on cut-off machines. They can cause severe personal injury or death from reactive forces, blade contact or thrown tips. Never cut wood of any type.

Note: STIHL recommends use of fuel with no more than 10% Ethanol content. Using fuel with greater than 10% Ethanol content may cause damage to your equipment and may void your STIHL warranty. Learn More…

WARNING! Improper use of any power tool may cause serious or fatal injury. Read, understand and follow carefully the operating and safety instructions in your instruction manual before using such products.

STIHL products sold through U.S. STIHL dealers are for distribution in the United States only.

<table>
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<th>TS 500i STIHL Cutquik® Specifications - Professional Use</th>
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**MAXIMUM CUTTING DEPTH**  125 mm (4.9")

**POWER SOURCE**  Gas

Weight includes water attachment and guard. Shown with optional STIHL diamond wheel.

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**Model Features**

**Reduced-Emission Engine Technology - Caring for Nature**

The STIHL Inc. "Caring for Nature" seal identifies its powered products that are more environmentally conscious, producing zero or low exhaust emissions. STIHL Inc. defines "low exhaust emissions" as being cleaner than EPA and/or CARB exhaust emission standards.

[More information](#)

**Decompression Valve**

The decompression valve reduces the compression in the combustion chamber during cranking and helps reduce the effort needed to pull the starter rope.

**Electronic Water Control (EWC)**

Electronic Water Control allows the operator to easily adjust the flow of water while cutting and stops the water flow when the machine is at idle.

**X2 Air Filtration System**

The X2 Air Filtration System revolutionizes the cut-off machine industry by allowing air filters to last up to a year, based on cutting conditions. Outside air enters the system in a swirling motion, removing 80% of dust particles. This pre-cleaned air is then routed through the primary and secondary air filters before being sent into the engine. The X2 Air Filtration System is virtually maintenance free and maintains an incredible 99.96% cleaning efficiency.

**Semi-Automatic Belt Tensioning**

With consistent, semi-automatic re-tensioning, this feature increases the service life of the belts and shaft bearings.

**Electronically Controlled Fuel Injection System**

The fuel injection system makes starting easier and more reliable by eliminating the choke. Just set the switch to on, prime and pull.

---

Anti-Vibration System
STIHL has developed a system for minimizing the vibration levels of handheld outdoor power equipment. The STIHL anti-vibration system helps reduce operator fatigue and provides a more comfortable working experience.

STIHL ElastoStart™
The ElastoStart™ starter handle is a feature of STIHL. It is a starting grip with a built-in shock absorber that helps reduce the effort when pulling on the starter cord. The ElastoStart™ starter grip noticeably reduces the sudden peak forces (compression) normally felt during cranking. The forces which occur at the grip after the first compression stroke are smoothed out.

Ergonomic Grip
The ergonomic top-handle bar design provides an optimal comfortable grip in any working position.

Standard Features

Common Features for Gasoline-Powered STIHL Cutquik® Cut-off Machines
View the features common to many gasoline-powered STIHL Cutquik® Cut-off Machines.

Are you ready for a STIHL?

Product reviews

Quality 3.1 / 5 Dependability 3.1 / 5 Power 4.3 / 5 Value 2.7 / 5

Advanced filters

Click on filters to refine your results.

Write a review

2 / 5 Ok Machine but you have to be super careful.
March 31, 2015

Quality 2 / 5 Dependability

From: Auckland, New Zealand  Age: 35 to 44  Do you own your own house? Yes
We had the trusty 900 model for years, we are plumbers and drainlayers so we use it a fair bit, often in mud and bad conditions. This machine does not like that.

I like many things about this machine, the lightness, the noise reductions, the soft start, vibration control, lots of power.

NO choke.

What I hate about this machine is the absolute preciseness that you must keep your fuel no older than 4 weeks. You must have an absolute chemistry like nature to make sure the 2 stroke and petrol ratio is within as close as a tolerance as you can.

If you are the boss and you know this then ok, I have about 20 staff and not all of them care, if the mixture is wrong it won't run in full power.

Water ingress.

Don't ask me how but we have had trouble with water getting into the machine, it just doesn't like sitting in the rain and falling over in mud and getting generally dirty and wet.

We should look after it better I know, yet the old model we punished and we never had these problems of starting it, drying it, new fuel.

I would not recommend buying the fuel injection yet, it is the future but not now, this model just has too many teething problems for me.

Pros Light, Easy to Use, vibration reduced dramatically, noise reduced dramatically
Cons Difficult to Maintain, Unreliable, water on/off and flow bit messy

Was this helpful? Yes 6 No 1 Report inappropriate content
**Best Saw ever**

Doug001  

From: Plant City  
Age: 25 to 34  
Do you own your own house? Yes  
Outdoor tool expertise: Highly Skilled

February 28, 2014

I use to love the TS400s but since I've purchased this 500 I will not even bother trying to fix the 400s. It is a completely dependable saw, way better then the TS420s, which I bought and did not like, they felt weak. But this TS500i hasn't given me any trouble, it starts up right away and has a whole lot more power. Can't say it enough, Great saw Stihl.

**Pros** Light, Easy to Use, Easy to Maintain, Reliable, quick start, durable

Yes, I recommend this product.

Was this helpful? Yes 4  No 1  Report inappropriate content

Reply

---

**One of the best saws on the market**

Bricklayer  

From: Maryland  
Age: 25 to 34  
Do you own your own house? Yes

February 24, 2014

I have had this saw for a year now. This saw is great my guys love it because it is easy to start and it can still run if your cutting above your head (like a masonry cut out for windows etc).I have hear every complain from my guys about any of my equipment but with this saw they love it. I hear no whiny from them about this saw.

I also have Hilti saws and also a stihl 420 they won't even use it now I am trying to sell them so I can buy another 500i. Just make sure you keep the fuel clean if not it could get stuck in the injector but that has never happen to me yet and we use the saw almost every day. I you look at a new saw buy the 500i I can see all small engines going to injectors in the future

**Pros** Light, Easy to Use, Easy to Maintain, Reliable, can run sideways or upside down

Yes, I recommend this product.

Was this helpful? Yes 5  No 0  Report inappropriate content

Reply

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**This is the worst Stihl tool I have ever owned**

Willsafordables  

From: Denver, Colorado  
Age: 45 to 54  
Do you own your own house? Yes  
Outdoor tool expertise: Highly Skilled

August 20, 2013

We are a heavy highway construction company. We have always purchased Stihl Products. We have always been very happy with the dependability and performance. Until now!!!! This saw has some new electronic fuel injection system. When it gets hot outside or you use the saw heavily for a short time, you might as well shut down and go to lunch. You have to keep cooling it off, putting it in the shade so you can start it. Out of an 8 hour day, I am lucky to get 5 hours of production. I don't know why they had to change something that worked so well. I wouldn't recommend this saw unless you worked at the north pole cutting ice. There is not a choke and all you have to do in the morning is pump the primer a couple of times and it fires right up. That is the only good thing I have to say about this saw. What a pain!!! All day, wasted time, and manhours messing with this thing!!!!

**Cons** Difficult to Use, Unreliable, no bueno!!!!

No, I do not recommend this product.

Was this helpful? Yes 18  No 8  Report inappropriate content

Reply

**Comments (1)**

HMMMMM  
On August 14, 2014
Having the same issue! Have you been able to figure out a way around this?

Was this helpful?  Yes 0  No 0  Report inappropriate content

Comments (1)

---

**Bad saw**

Garciastuctures

Quality: 1/5  
Dependability: 1/5  
Power: 1/5  
Value: 1/5

July 18, 2013

I am most definitely the best person to rate this saw. I have a masonry company so no one uses saws like we do.

I bought 2 when they first came out and you know what????? I no longer have them they both broke down in less than a year. I took them in for repair several times during that year and now that I think about it it hasn't even been 1 year. The 1 thing that Stihl does not understand is that this is not lawn equipment my guys turn on these saws on and off at least 50 times per day in a slow day. My guys hate this saw and get very aggrivated when they struggle to turn it on. The saw works great but what use is it if you can't turn it on. I have now changed to husqvarna and my guys love it. One pull and it turns right on. Today was the first time that I've had to replace the pull cord. And that was our fault for not using it properly. I have bought 5 husqvarna this year and they are still going strong. Sorry Stihl I was a very loyal costumer for the past 10 years but I will never buy one of your saws again. Unless you bring back the ts400 witch was the only good model.

Cons: Unreliable

No, I do not recommend this product.

---

**Saw cannot take the heat- Literally**

SHLC

Quality: 1/5  
Dependability: 1/5  
Power: 1/5  
Value: 5/5

July 7, 2013

I bought this saw in May 2013. I have used it twice cutting a total of about 80 linear feet of pavers and bluestone.

The saw is powerful and cuts well, but I have had two Major problems with the saw...both heat related.

While working in 90 degree temperatures when left in the sun, first the starter handle softened and became pliable enough to slip right off the shock absorber grommet on the starter cord. But of course I couldn't get is back on. In an effort to keep working I jury rigged the handle back onto the starter rope thereby ruining the handle.

Second and The bigger problem... When sitting in that same sun, the saw will not start. I think it is ethanol fuel related and the saw is getting vapor lock from the vaporizing ethanol in the fuel. If I put the saw in the shade, I can start it... But this is very inconvenient, having to unhook the saw from the water source every time I stop cutting and walk all over the site chasing the shade. Very time consuming and exhausting when working a large job.

I suspect this has to do with the fuel injection system in some way. I have much older and lower tech normally aspirated two cycle machines that do not have this issue. I am using premium pump fuel 93 octane and stihl two cycle oil.

Really unacceptable.

The power and cutting ability of the saw is exceptional but the effort involved to start it and manage this quirk is unlivable. I need to return the saw.

As a side note the quick connect for the water control is very flimsy and was leaking. I tightened up the fitting and stopped the leak but I don't expect the fitting to last very long before it breaks right off.

Professional who is very disappointed.

Cons: Difficult to Maintain, Unreliable

No, I do not recommend this product.

Was this helpful?  Yes 13  No 14  Report inappropriate content
Optional Accessories

**STIHL Cutquik® Cart**
Ideal for long, precise cuts, this cart offers improved handling and cutting performance with a forward weight orientation and a toolless quick connect system.

You Will Also Need

**HP Ultra 2-Cycle Engine Oil**
No matter how you slice it (or trim it or shred it), there’s no better protection for your high performance 2-stroke engine than STIHL HP Ultra. This 2-cycle engine oil has outstanding engine cleaning characteristics, plus "ultra" lubricating qualities that are superior to other 2-cycle engine oils. This fully synthetic oil is also highly biodegradable, degrading by 80% in 21 days. We’re so confident this oil will protect your engine, we’ll double your STIHL limited warranty* when you use it. It’s that good.

*Double your warranty when you include STIHL HP Ultra Oil (six 2.6-oz. bottles) or STIHL MotoMix® premixed fuel (six 32-oz. cans or a 1-gal. container) with your STIHL product purchase. Double limited warranty protection applies to STIHL gasoline-powered products purchased and registered for personal non-income producing, family and household purposes only. Other restrictions apply. See dealer for details.

For Your Safety

**STIHL® Construction Hard Hat System**
Combining first-class durability and all-day comfort, the STIHL Construction Hard Hat System gives your projects a proper foundation in protection. The system starts with a hard hat made from tough ABS thermoplastic. A six-point ratchet-style
suspension system improves comfort, as well as shock absorption. The system also features a Cool Guard sweat band and rain gutters, keeping both perspiration away from your eyes and precipitation away from your neck. Its comfortable, adjustable hearing protection help keep down job site noise while its clear, PETG full-face shield helps keep your face protected from flying debris.


NOTE: Also available as a hard hat only. Meets ANSI Z89.1-1997 Type 1 Class G & C.

Anti-Vibration Gloves
Reduce the vibration from handheld machines with anti-vibration gloves from STIHL. The palms and fingers are specially designed to absorb vibration energy, helping you stay steady throughout your workday.

Classifications: Meets anti-vibration standard ISO 10819:1996 and ANSI S2.73.

-TRm at .72 for mid-frequency range
-TRh at .55 for high-frequency range

Materials: 7-gauge knit shell, shock-absorbing material and elastic wrist
Available sizes: L, XL

Leather Chaps
Designed for use with cut-off machines, these top-quality STIHL Leather Chaps provide maximum protection from abrasion, spatter and sparks when cutting ferrous metals. The chaps cover from the waist down, and feature quick-release buckles as well as easily adjustable nylon straps. Not for use with chainsaws.

Available color: Natural Leather
Available sizes: One size fits most
Available length: 40"