TitanX.win Pumpamentals

The sole design purpose for TITAN X is to reduce supply, add programmatic buy pressure through smart contracts & drive demand to the ecosystem through various avenues and game theory mechanics.

Here are the main pumpamentals for the TITAN X ecosystem:

- TITAN X has staking mechanics where users can earn massive ETH yield compared to other cryptos, to do so - they have to lock up their coins for a certain duration, the longer they lock, the more ETH yield they get. This mimics a Certificate of Deposit system used in banks. When these users are locked to earn yield, they can't sell. When they can't sell, there is less TITANX on the market, so it becomes more scarce and more valuable to get. They, in essence, get rewarded handsomely for protecting the price.
- Because of the supply lock-up mechanisms inside of TITANX, that also means the liquidity pool for TITAN X will be able to be kept small so that the buy & burn has maximum effect on pushing up the price & burning supply off of market forever.
- TITAN X also has a Proof of Burn 2.0 mechanism built into it where developers within the ecosystem can use TITANX to launch their own tokens, when they do - that TITAN X gets burned out of existence forever, which means it can never be sold.
- Constant Buy & Burning from miners getting started makes TITANX more & more scarce to obtain over time. This buying happens programmatically through smart contracts and is completely decentralized and all public functions are called by users.
- Every day, through the daily Update function, the amount of TITANX that can be mined is reduced and becomes more expensive to mine over time (increasing ETH cost). This is a more aggressive version of the 4-year Bitcoin halving, the TITANX daily reductions add up to more than 1 halving per year + the ETH cost increase. This pushes up the cost of production floor over time as it becomes harder & harder to produce 1 TITANX as time goes on.

5 Key Pumpamentals:

- **Massive buy & burn pressure** on small liquidity pools
- **Large portion of supply staked** because users want massive ETH payouts
- **Large portion of supply burned** because users want to participate in projects + get ETH payouts
- **Becomes harder & more expensive to create with every passing day**
- **Future supply (miners) is burnable as well**, creating a supply squeeze on future TITANX

Also, the cherry-on-top is: TITANX is at its core a leverage play on the value of ETH, to create miners, people use ETH + Time, as ETH gets more expensive & more globally adopted, the value of TITANX should grow with it because it is directly tied to it, the ratio is set & only becoming harder and more expensive to mine over time.

Virtual Mining

You create your own coins. TITAN is built with self-custody, censorship resistance & pure DeFi DNA at its core.

We believe in humans' freedom to transact and do with their finances what they want.

When you go to the Mine page, you can specify the # of days you want to mine for & the # of power you want your miner to have.

The number of days you pick (from 1 day up to 280 days) & power you choose, determine the amount of TITANX you get at the end of your miner.

The mining formula looks like this:

```
(numOfDays * (currentTitanMinable * (miningPower / 100))) = titanEndOfMiner
```

where:

- numOfDays = number of days chosen when starting mine (1 day up to 280 days max)
- currentTitanMinable = the amount of titan per day you can get, this goes down every day
- mining Power = the power you specified during your miner creation

The mining cost formula looks like this:

```
(currentMinerCost * miningPower)
```

where:

- currentMinerCost = the cost per 100 power (max power) miner, this goes up every day
- miningPower = the power you specified during your miner creation

Miners can be created in 3 ways (all do the same thing, just differently & easier for the user)

- **Single Miners**
    - This will create a normal single miner.
- **Batch Mining**
    - This will allow you to automatically create up to 100 miners at a time, saving you the hassle of having to create miners individually. This also uses the contracts miners' function to create your miners for you, so outcome is the same, just multiplied by whatever # of miners you batch create.

- **Mining Ladder**
    - This will create a mining ladder for you using the contract's single miner function at the interval rate you specified and at the power you specify. More details on the Virtual Mining page.

Mining Bonuses

🚀 **Early Adoption Amplifier** This bonus starts at 10% and works its way down to 0% in 350 days this reduces at a rate of **10%/350** per day.

🔥 **Burn Bonus Multiplier** You can get up to +8% extra on your new Miner if you have burned 80B titan. This bonus starts at 0% for new wallets and the more they burn, the more they get, up to 8%. This is to reward burners, acts like a loyalty program.

💎 **tRank Bonuses** When you create a miner, you get assigned a tRank (TITAN Rank) on that specific miner, this tRank determines where you start earning rewards from. As people start miners after you, they give your miners extra bonuses. This tRank Bonus starts at 2,200 TITANX extra per max power miner that starts after you. it is 22 TITANX extra per 1 power after you, this is based on the miningPower instead of tRanks to prevent whale abuse of the bonuses. In essence, this means that you get rewarded for helping bring adoption to the ecosystem and helping it grow.
If someone starts 100 power miners, you get a higher tRank bonus.
If someone starts 1 power miners, you get a the same tRank Bonus / 100
tRank Bonus formula looks like this:

```
(currentMiningPowerIncreaseBonus * miningPower) *
(globalMiningPower - minerStartGlobalMiningPower)
```

where:

- currentMiningPowerIncreaseBonus = the current tRank Bonus, this goes down every day for new miners, once you start a miner, your tRank bonus gets locked in for the duration of that miner
- miningPower = the power you specified during your miner creation
- globalMiningPower = the global miner power when you claim your miner
- minerStartGlobalMiningPower = the global miner power locked in when you start your miner

Mining Power Explained

Mining power determines how much TITANX you get per day in your miner + also determines how much ETH your miner costs.

```
currentTitanMinable * miningPower
```

if you have 100 mining power, you get the full currentTitanMinable per day.

If you have 1 mining power on your miner, you get 1% of the full currentTitanMinable per day.
100 power is referred to as a "max" miner.

Mining power also determines how much your miner costs in ETH as referenced above
```
(currentMinerCost * miningPower)
```
So, if you have 1 miner power, it is 1% of the miner cost.

Note - the eventual "Cost per TITANX token" you get at the end of your miner moves linearly, meaning that a 100 power miner and a 1 power miner have the exact same cost per titan, the 1 miner just gets a lot less titan at the end of the miner, but the cost is the same - so if possible, just do a max miner, it's easier to manage, there's no benefit to doing smaller power miners at all unless you don't have enough ETH for a max one or multiple max ones or have some ETH change you want to put to work.

Penalties

At whatever end date you specified when creating your miners, you can claim.
After that day, you have a 7-day grace period in which you can claim your miners and not receive any penalties.
After that 7-day grace period, you enter penalty zone, which looks like this:
if 1 day late ~> lose 1% of your claimable TITANX if 2 days late ~> lose 3% if 3 days late ~> lose 8% if 4 days late ~> lose 17% if 5 days late ~> lose 35% if 6 days late ~> lose 72% if 7 days late ~> lose 99%

Limits

Due to blockchain data reading limits, each wallet can have at maximum 1000 miners & 1000 stakes.
If you want to create more miners, you can do so on a second or third wallet.
Also, a good reason to do max miners, if possible, easier to manage & keep track of. No extra benefit in doing small ones unless needed.

Mining ETH Distribution

For full details on mining specifically, go to Virtual Mining
This page only talks about the ETH that people use to create TITANX miners and what the TITAN X protocol does with it.

To mine TITANX, people use ETH + time. The ETH gets given back to the users in a variety of ways to support the ecosystem growth, as seen below.

ETH distribution:

- **62% of ETH gets sent to the decentralized Buy & Burn** smart contract to buy TITANX off the market via the WETH/TITANX pair on Uniswap v3 and burning all the TITANX it buys.
- **28% of ETH goes to the payout cycles used to pay out TITANX stakers** based on their # of shares
- **7% of ETH goes to the Burn Pool used to pay out TITANX Burners** based on how much they've burned in the last 28-day period.
- **3% of ETH goes to Genesis** of which you should have no expectations whatsoever. This may or may not be used to create deep liquidity between crucial pairs within the TITANX ecosystem.

This is all done through smart contracts that users call & interact with using their own private keys, there is no central actor, authority, individual, group or company doing any critical work whatsoever. It is completely decentralized, owned & ran by the users interacting with the smart contracts deployed on the globally decentralized network called Ethereum.

The Daily Update

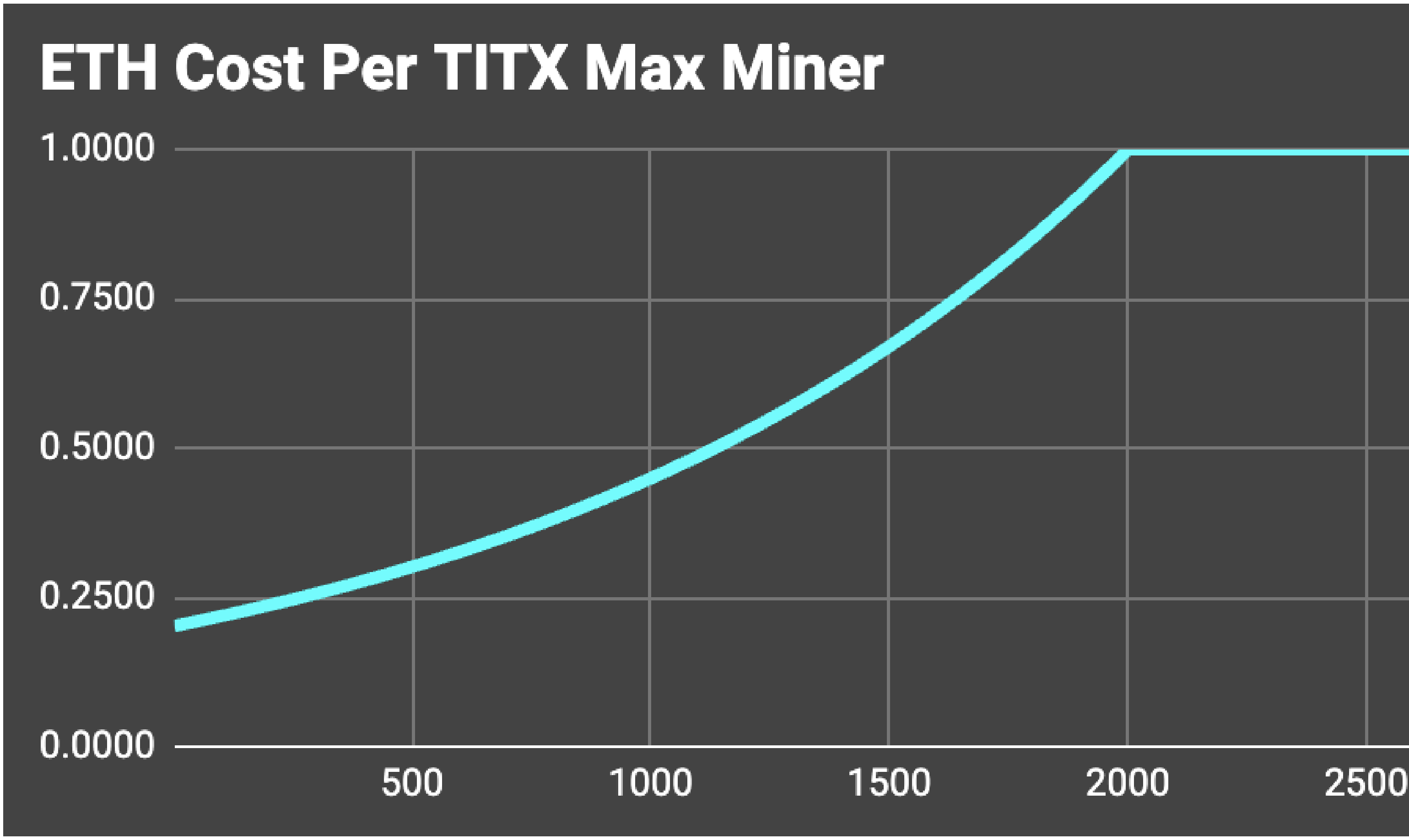
For every new day that ticks over in the contract, these variables get updated:

- **ETH Cost for Miners goes up +0.08% every day** based on day before
- **TITANX Mineable per Day of Mining goes down -0.35% every day** based on day before
    - this mimics the Bitcoin 4-year halving but does it every year, instead of every 4 years
- **tRank Bonus goes down -0.35% every day** based on day before
- **Share Rate goes up +0.03% every day** based on day before

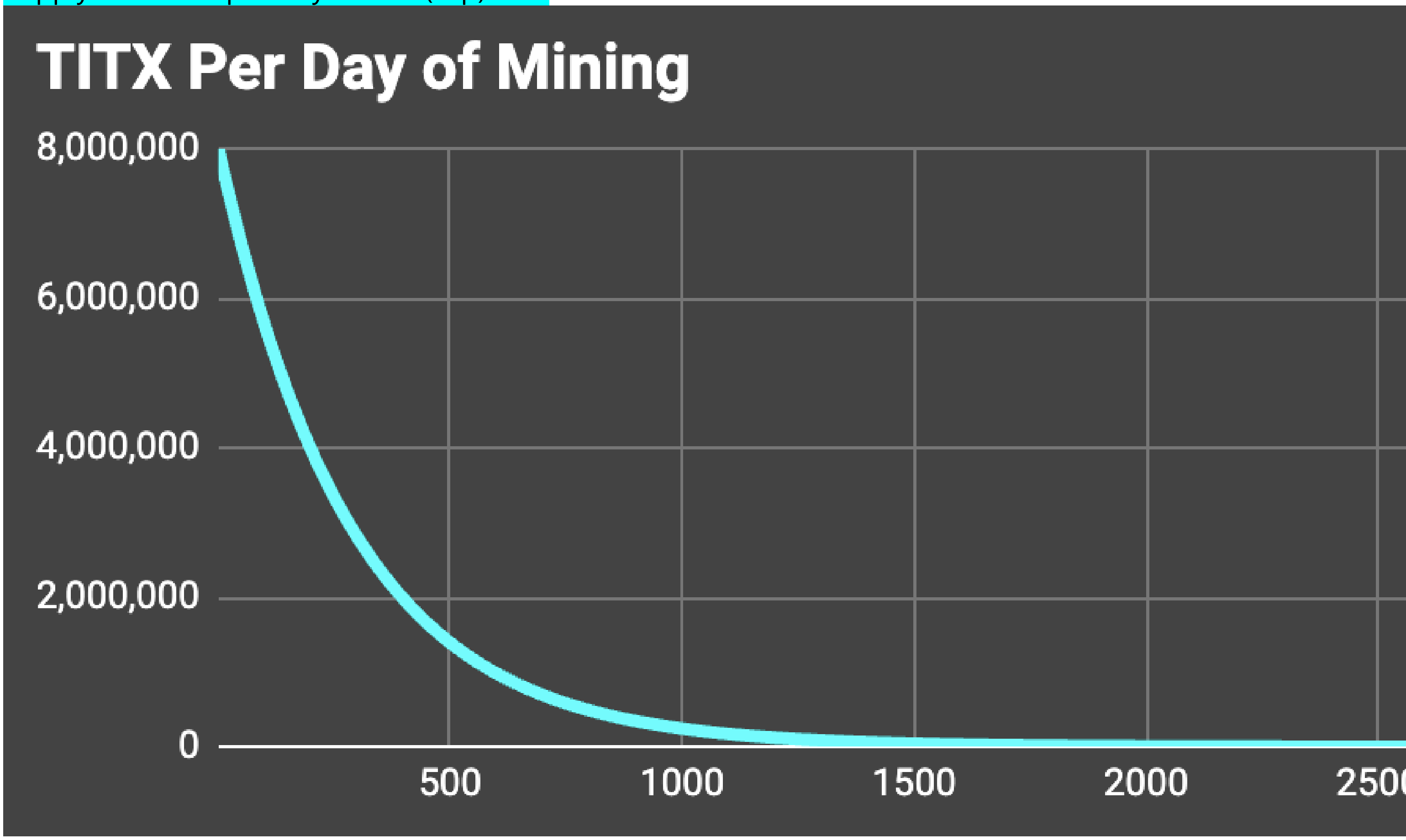
This means that it always becomes harder & more expensive to get TITAN for every day that passes. **The general rule for staking and mining is:** today is **always** better than tomorrow.

Here are the start & end values of TITAN. The daily update keeps increasing & decreasing things until the minimum and/or maximum caps below are hit. This will happen over a period of years.

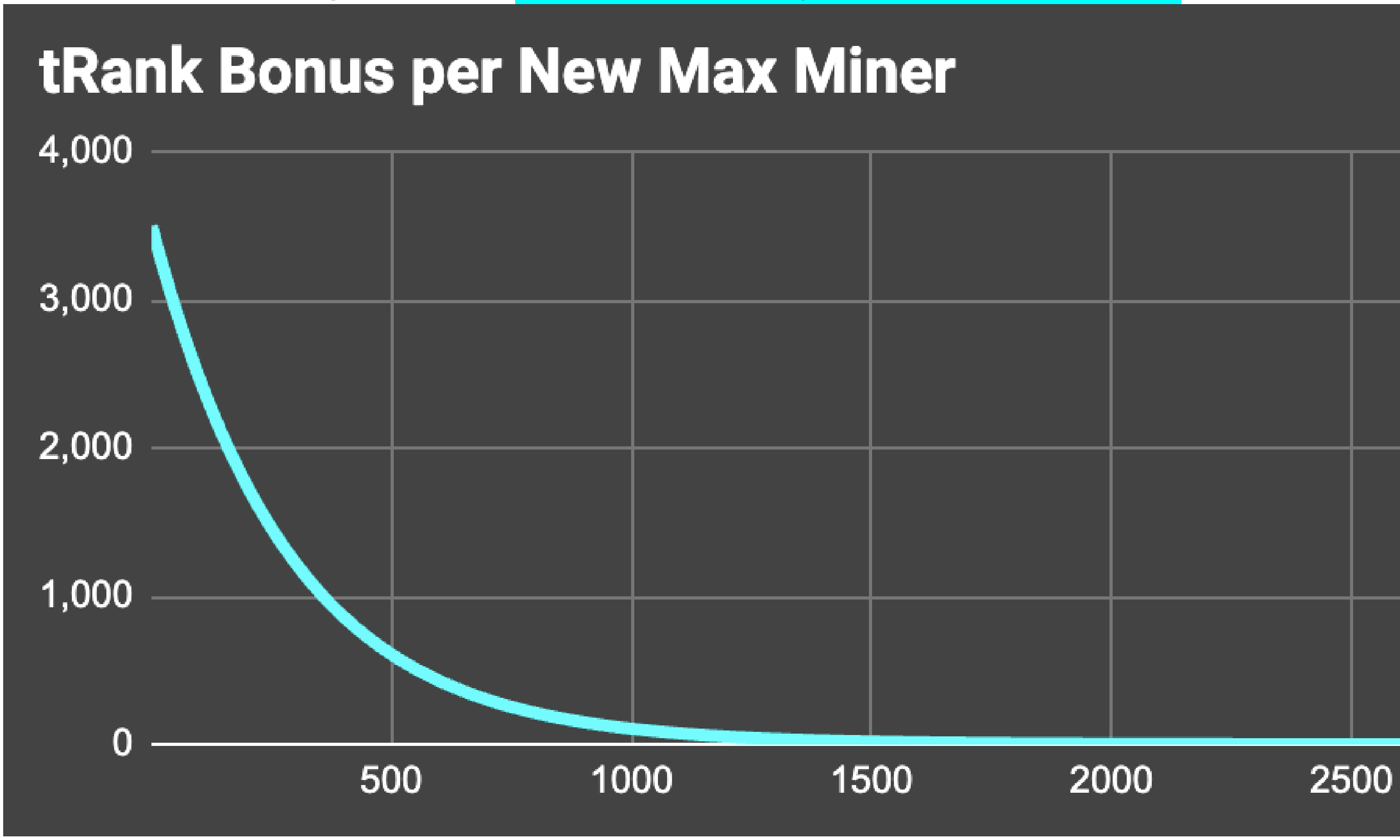
ETH Cost per Max Miner, Min & Max: ETH Cost per Max Power Miner at start: 0.2 ETH ETH Cost per Max Power Miner at end (cap): 1 ETH



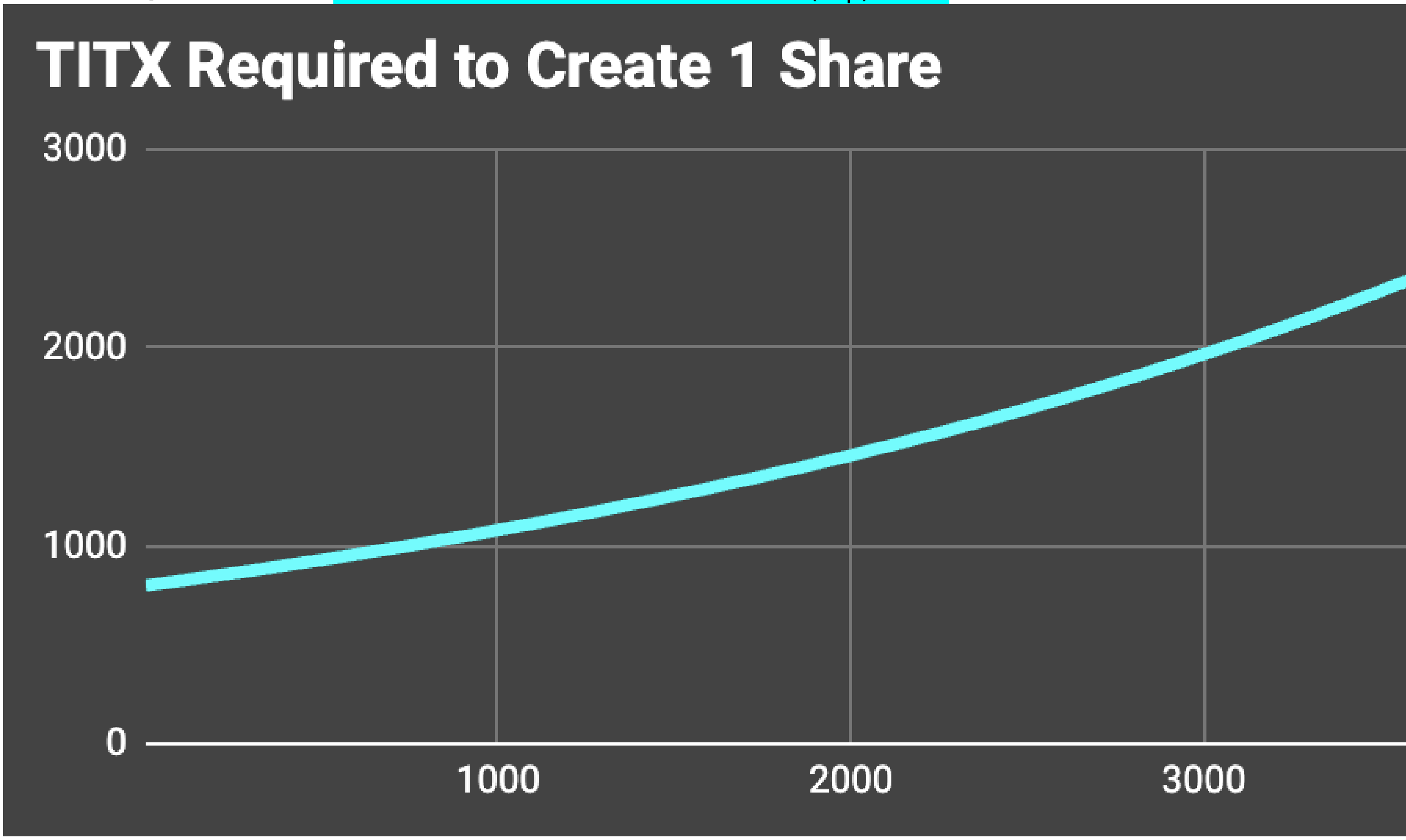
Supply* Mineable *per Day of mining, Min & Max: Supply Mineable per Day at start: 8,000,000
Supply Mineable per Day at end (cap): 800



tRank Bonuses Amounts, Min & Max: tRank Bonus at start: 2,200 tRank Bonus at end: 0.22



Share Rate, Min & Max: Share Rate start: 800 Share Rate end (cap): 2800



To make things simple to understand, here is how this works out:

- The "Cost to mine 1 TITANX" moves up 55,000x
    - (the cost per miner in ETH gets 5x more expensive, from 0.2 ETH to 1 ETH)
    - (the TITANX per day per miner goes down 11,000x from 8.8M to 800)
    - Combined, that is a 55,000x price floor increase on the cost to produce 1 TITANX.
- Since share rate moves up 0.03% every day as well, from 800 to 2800, a 3.5x increase.
    - This + the thing above means the cost to produce 1 share in staking goes up 55,000x * 3.5x = 192,500x

The above is not a price prediction of any kind, it is just a description of the math inside of the protocol describing the cost of production over time until the protocol hits its caps and should not be used and/or looked at as financial advice in any way shape or form.

Staking (Earn ETH)

ETH Payouts to TITANX Stakers

You get rewarded ETH whenever a "payout cycle" trigger based on your % of the total share pool.

When you stake your TITANX, you get shares based on the current Share Rate.
This share rate goes up every day. More details in The Daily Update.
Min stake length is 28 days, max stake length is 3500 days & all share bonuses cap at day 2888, see "Shares" section below.

The rolling payout cycles run:

- **Every 8 Days**
  - so, day 8, 16, 24, etc..., forever.
- **Every 28 Days**
  - so, day 28, 56, 84, etc..., forever.
- **Every 90 Days**
  - so, day 90, 180, 270, etc..., forever.
- **Every 369 Days**
  - so, day 369, 738, 1107, etc..., forever.
- **Every 888 Days**
  - so, day 888, 1776, 2664, etc..., forever.

And the ETH is distributed like this:

- 28% gets added to the 8-day rolling payout
- 28% gets added to the 28-day rolling payout
- 18% gets added to the 90-day rolling payout
- 18% gets added to the 369-day rolling payout
- 8% gets added to the 888-day rolling payout

And NEVER stop. These cycles will pay out forever as long as people participate in the protocol and 28% of the ETH flows into the payout cycles for TITANX stakers.

Yes, this also means that, sometimes, 2 payout cycles can trigger on the same day.

Shares

When you stake your TITANX, you get shares in return; the number of shares you get depends on the current share rate at the time of your stake + the bonuses below:

LongerPaysMore bonus - the longer you stake for, the more shares you get, up to a +350% bonus at day 2888, after 2888 day stake length, the bonus stays capped at +350% but you can stake up to 3500 days to earn as much yield as possible for as long as possible as shares only get more expensive & much harder to get over time.

BiggerPaysMore bonus - the more TITANX you stake in a single stake, you get a up to 8% extra bonus on your shares, capped at 100B TITANX.

The number of shares you have compared to everyone else determines your % of the ETH payouts.

For example: if you have 1% of all shares, you get 1% of all the payout cycles triggered during your staking period, etc...

Penalties

You pick a date for your stake to end when you start your stake, try to end your stake on that day.

If you are unable to on that specific day, you have a 7-day grace period to end your stake in which no penalties will get applied.

Stakes are not allowed to be ended before 50% maturity.

If stake ended after 50% maturity

- Lose -50% of TITAN in staked, gets sent to the dead address (burned).
- You get 50% of TITAN staked back.

If stake not ended for 1 week (grace period) after end date, lose 1% of TITAN per day until 99% lost after 100 days (calculated at end of stake)

Burning (Earn ETH)

💰 Burn Pool ETH Payouts

7% of all the ETH that participates in mining TITAN X, goes towards something called the "Burn Pool", this exists to handsomely reward users for staying active in the ecosystem & participating in other projects built on top of TITANX, like HYPER.

Users that burn TITANX, get a % of this burn pool

For example:

- if the burn pool is $1,000,000 worth of ETH
- and the total TITANX burned in the rolling 28-day period is 200B

- and a user burned 1B

they get 0.5% (1B/200B), so $5,000 of the total Burn Pool at the end of the rolling 28-day cycle.
This resets every 28 days. And starts over. And never stops.

🔥 Burn Bonus Amplifier

When a user burns TITANX, this gets saved in the smart contract under their wallet address.
Based on how much they have burned in total (on 1 specific wallet), they get a Burn Bonus Amplifier that goes up to 8%.
They hit the 8% Burn Bonus Amplifier once they have hit 80B TITANX burned in that wallet.
Miners can be burned.
Stakes can be burned.
Liquid TITANX can be burned.
It all counts towards the Burn Bonus Amplifier.
The Burn Bonus Amplifier gives the user more TITANX on all their next miners they start with that wallet.

Proof of Burn 2.0

User Burning

Users can burn their TITANX to "transform" it into other projects, HYPER will be one of the first projects built on top of TITAN X as an example.
When users burn, they get handsomely rewarded for doing so. Here's a couple:

- They could get a % of their TITANX burned back (sort of like cashback), up to 8%.
- They increase their Burn Bonus Amplifier, giving them extra TITANX on the next miners that they start, up to 8%.
- They earn a % of the Burn Pool 28-day rolling ETH payouts, so they get a big chunk of their burned TITANX $ value back paid in ETH from the miners that got started.
- They get a proof of burn record attached to their wallet for potential future airdrops by projects that want to reward the TITANX community based on how much TITANX they have burned.
- They get the token that they just transformed/burned their TITANX for

This is massive & never-ending rewards for user to be actively participating in protocols built on top of TITAN, like HYPER.

Project Burning

Projects built on top of TITANX can earn a % of all the TITANX their protocols burn. This incentivizes builders to build and improve the ecosystem.
Protocols can decide what % of TITANX their protocols get as rewards, up to 8%, or they can do a combination of % reward & % given back to the users.
Example: they could set 3% dev reward fee + 5% TITANX rebate to the user. This would reward them with 3% of all TITANX burned by their protocol & give 5% of the burned TITANX back to the user, this 5% would have otherwise been burned, rewarding both the user & the protocol.
We believe in capitalism & meritocracy.
When builders add millions of dollars of value to the ecosystem and dedicate time & resources towards furthering the mission, they deserve to get paid handsomely.

Cashback %

Project developers can set a "rebate" or "cashback" % (same thing) where they give a % of the TITANX burned back to the user, up to 8%.
This applies to burning liquid TITANX and staked TITANX. not Miners.

Builder Reward %

Projects developers need to get rewarded for their time & effort invested in the community.
Therefore, they can set a builder reward %, up to 8%, of all the TITANX burned for their protocols.
Builders should be & will be rewarded for their work. This is part of the core values of TITAN.
This applies to burning liquid TITANX and staked TITANX. not Miners.

Buy & Burn Details

62% of the ETH that gets used to create virtual miners for TITAN X gets sent to the TITAN X Buy & Burn smart contract.
This contract can be used by any builder on top of TITANX.
The TITAN X Buy & Burn smart contract can receive ETH or WETH.

- if it receives ETH, it will automatically wrap it to WETH for you and it becomes available for users to call the BuyAndBurn function on.
- if it receives WETH, it does not need to wrap it and can be used to buy and burn instantly.

So, if you are a project building on top of TITANX and want to implement a buy and burn that buys TITANX off the market and burns it, you can send a portion of the ETH protocol fee to our buy & burn contract and it will take care of everything else.
No need to build your own buy & burn smart contract.

Notes on user incentives:
Users get 0.33% of the ETH in "Distribute ETH" as an incentive for calling the smart contract function to distribute the ETH between payouts, buy and burn and burn pool.
Same 0.33% incentive reward applies to calling the buy & burn function that will buy TITANX off the market through the uniswap v3 WETH/TITANX pair and burn whatever amount of TITANX it just bought.
Both can be done inside of the TitanX dApp.