

Plasma Cutter/Torch

The Plasma Cutters/Torch or PMT were developed by a group that were closely working with the [Mining Guild](#), the [Department Of Engineering](#) created more of it for all [power_armor](#) beginning in the middle of YE 41

About the Plasma Cutter/Torch

As a tool, the Plasma cutter/Torch was created by the Guild, with the assistance of their Engineer friends from the Department of Engineering, sometime after they created [power_armor](#), and further after the Mole claws were created as a means to aid the Miners in passing a particular hard obstacle. The Miners sometimes encounter rocks that block their way of getting to the ore they were seeking, so the plasma Cutter/Torch was created as a means to cut through this rock, to allow the miners to continue their work. The Mole claws, no matter the frequency of vibration no matter the strength put behind the attack could not penetrate the rock wall, so they had to use something to heat up to make the rock weaker.

Due to the heat involved, the Plasma Cutter was created with a Titanium alloy as well as [Aegium](#) to allow it to resist the heat on itself so that the Miners, whether they were using the detached version, or having it attached, would not get burned by the heat. It was Nyx who had come up with the idea to have it be detachable, so that it could be used as a weapon, for defense, as well as a means to aid in mining when not able to use the power armor.

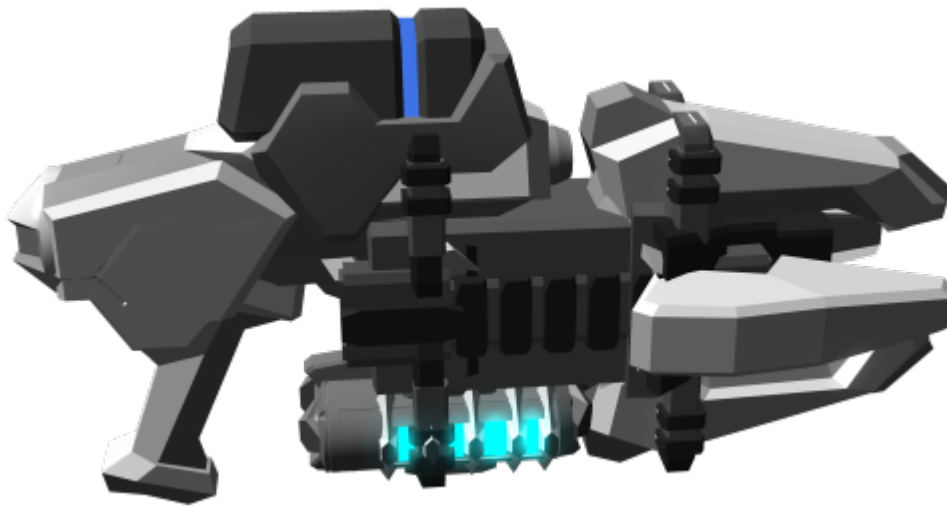
Nomenclature Information

Below is general nomenclature information:

- Designer: [Aeta Kurosaki](#), [Nyx Pine](#), Engineers
- Manufacturer: [Mining Guild](#), [Department Of Engineering](#)
- Name: Plasma Cutter/Torch
- Nomenclature: [Nomenclature System Found Here](#)
- Type: Plasma
- Role: Mining Tool for penetration of hard rocks
- Length: 70.9cm (27.59")
- Weight: 2.716 kg (5 lb.)

Appearance

Below are images that roughly gives the appearance of the Plasma Cutter/Torch. In terms of length and width however, the Plasma Cutter/ Torch tends to vary in dimensions when attached to the Power Armor, so its possible for some to be much larger in size.



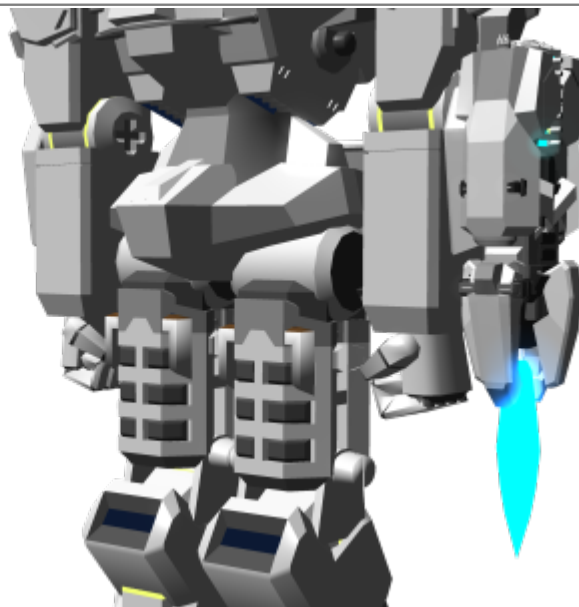
PMT in handheld configuration



PMT handheld with field emitter claws spread for full output



PMT in heavy configuration



PMT mounted to HEPA

Discharge Information

Below are additional information

- Muzzle Flash: Bright flashes of light as the Plasma Cutter/Torch is operational.
- Retort: On using the Weapon/tool, there were sounds of hissing, caused by the plasma energy making contact with the cool air as it shoots towards the target. On contact with the rocks it makes a crackling sound before a louder one when it penetrates through.
- Projectile/Beam Appearance: When in full use mode, the beam has the width and the circumference of a person's forearm. The Plasma energy that shoots out of it is a Cyan blue in color, and because of the light, a dark or low light environment will become brighter due to it adding its light.
- Effective Range: 60 m

- Rate of Fire: n/a
- Recoil: No recoil, stable firing when attached to the Power Armor, and stable when detached.

Ammunition (Or 'Energy Source' if applicable)

- Ammunition: [BW-PC-1B "PowerPak"](#)
- Purpose: Tier 4 - Light Armor
- Round Capacity: Enough energy for a ten minute fire before it has to stop and recharge which takes about 5 seconds.

Weapon Mechanisms

Weapon mechanisms can be found below:

- Firing Mechanism

When using the detached version the battery recharges the Plasma Cutter/Torch for ten minutes after use. When using the version attached to the Power Armor, there is no delay since there is no need for recharging.

- Loading

The Plasma Cutter/Torch uses the power of the Power Armor itself and due to this, it is loaded with a plasma cell, created by the NDC. After a switch from using the Mole Claws, due to which the Plasma Cutter/Torch is turned off for safety reasons, there is a short 0.01-second delay. When using the detached version, the Power pack is added at the bottom of the Plasma Cutter Torch.

- Mode Selector

Each Power armor has a HUD, and through an image, the Plasma Cutter/Torch will enter the rock cutting mode, which allows it to be used, or a shut off mode, if the Miner has to vacate for whatever reason and also a switch to change whether the Miner needs to use the Mole Claws or the Plasma Cutter/Torch. The detached version has a button at the back.

- Firing Modes

When using the Plasma Cutter/Torch there is only a single firing mode which is a beam based firing mode in order to make a precise penetration of hard rocks.

- Safety Mechanism

Plasma Cutter/Torch cease functioning when the Miner switches to The Mole Claws, and if the Power Armor is turned for whatever reason and not facing a wall of dirt and rock, the Miner will see a huge X on their screen and both the Plasma Cutter/Torch and the Mole Claws stop working until they are in the proper position.

- Weapon Sight

When attached to the Power armor, the Helmet has a View screen in the HUD that would allow the Miner to get a clear picture of what they are targeting. The Plasma Cutter/Torch addition adds the targeting mark in front of them on the screen that allows for the precise targeting so that the rock can be penetrated. The Mineral Scanners will allow them to see if they are getting any ore or not.

The detached version has a targeting screen at the back of it, for targeting as well.

Attachment Hard Points Slightly at the knuckles

Other

Availability and pricing can be found below:

Availability

The Plasma Cutter/Torch are given to the Miners for free the first time they arrive at the Guild's supply store, however, if they have miss used the Mole claws and have broken it, then there's a hefty fine that they have to pay in order to get a new set. For profit, however, The Plasma Cutter/Torch can be sold to trusted sources.

Pricing

Pricing can be found below:

- Plasma Cutter/Torch: 50 DS

Replaceable Parts and Components

Replaceable parts and components are priced below:

- targeting computer screen/ect): 200 DS

OOO Notes

[Charaa](#) created this article on 2019/09/08 17:20.

[Jack Pine](#) was kind enough to help with the images as well as help me with getting them here.

Approved by Ametheliana November 19 2019

Last
update:
2023/12/21 01:18 corp:mining_guild:equipment:plasma_cutter_torch https://wiki.stararmy.com/doku.php?id=corp:mining_guild:equipment:plasma_cutter_torch&rev=1700312352

Products & Items Database	
Product Categories	tools
Product Name	Plasma Cytter/Torch
Manufacturer	Mining Guild
Year Released	YE 41
Price (KS)	90.00 KS

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Last update: **2023/12/21 01:18**

