

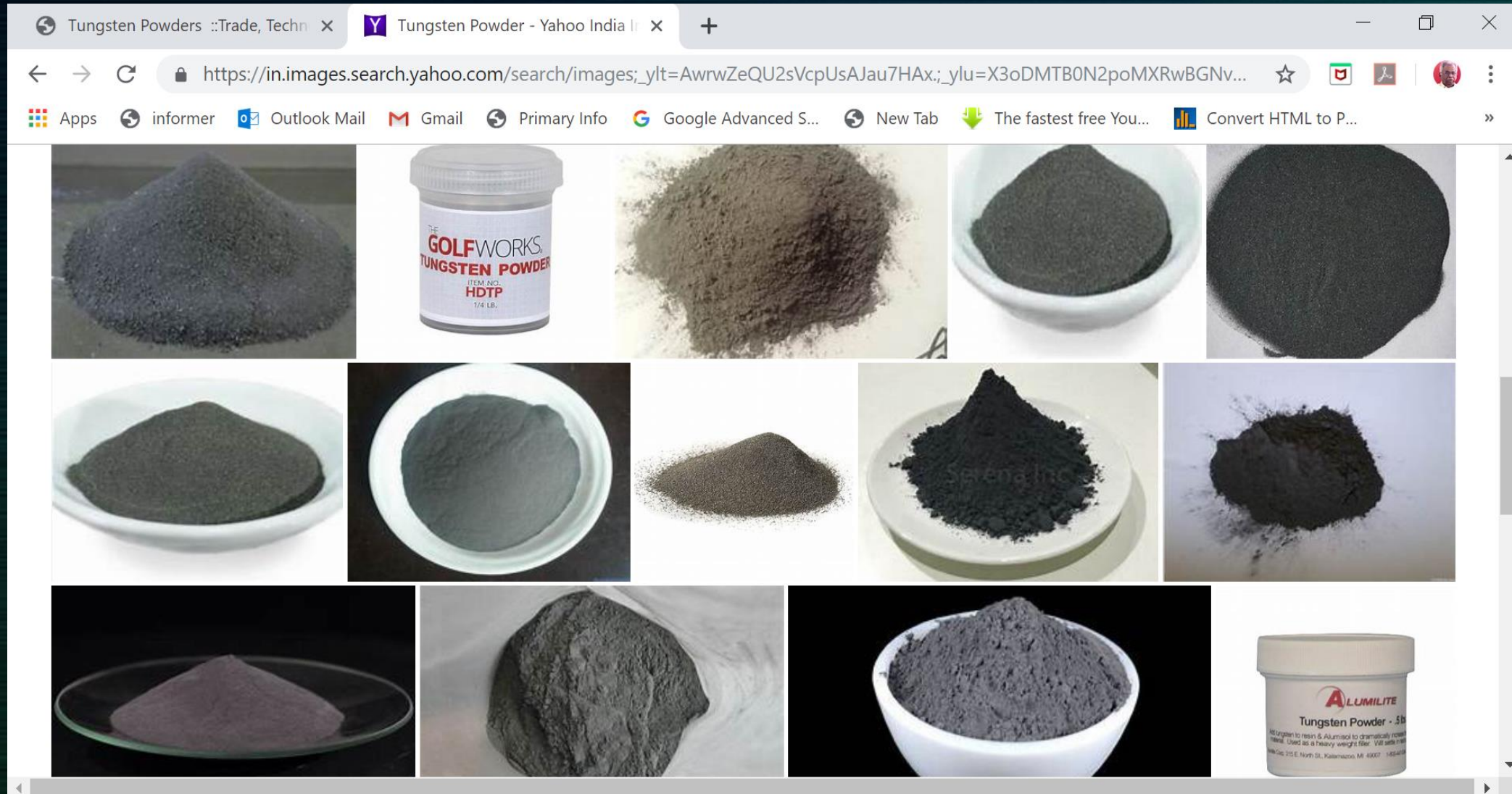
Tungsten Powder

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Tungsten Powder - Profile

- Tungsten is one of the strongest metal and it is used in many forms like bars , alloy , powder
- Tungsten powder is prepared by hydrogen reduction of tungsten trioxide or ammonium paratungstate.
- There is a growing requirement for tungsten products in the Indian market in industrial applications and also defense applications, where it has been identified as a strategic material for defense needs.
- The Indian market size of tungsten metal powder is said to be 150 tonnes per month
- Currently most of the tungsten is imported from China

Tungsten Powder in the Market



Applications

uses

The screenshot shows a web browser window displaying a PDF report titled 'mkt-report.pdf'. The browser's address bar shows the file path: 'D:/projectA2Z/T/Tungsten-powder-2019/add2019/mkt-report.pdf'. The report content features a grid of six images illustrating various applications of tungsten:



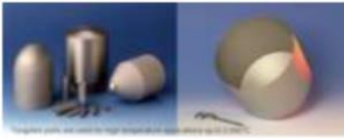



		
Hardmetals-cutting materials manufacturing	Mining and Construction	High Temperature applications
		
Lamp industry	Turbine blades	Catalysts

Fig. 2 Some Tungsten applications

Below the grid, a pie chart is partially visible, showing segments for 11% and 9%. The label 'Cemented Carbide' is partially visible at the bottom of the chart.



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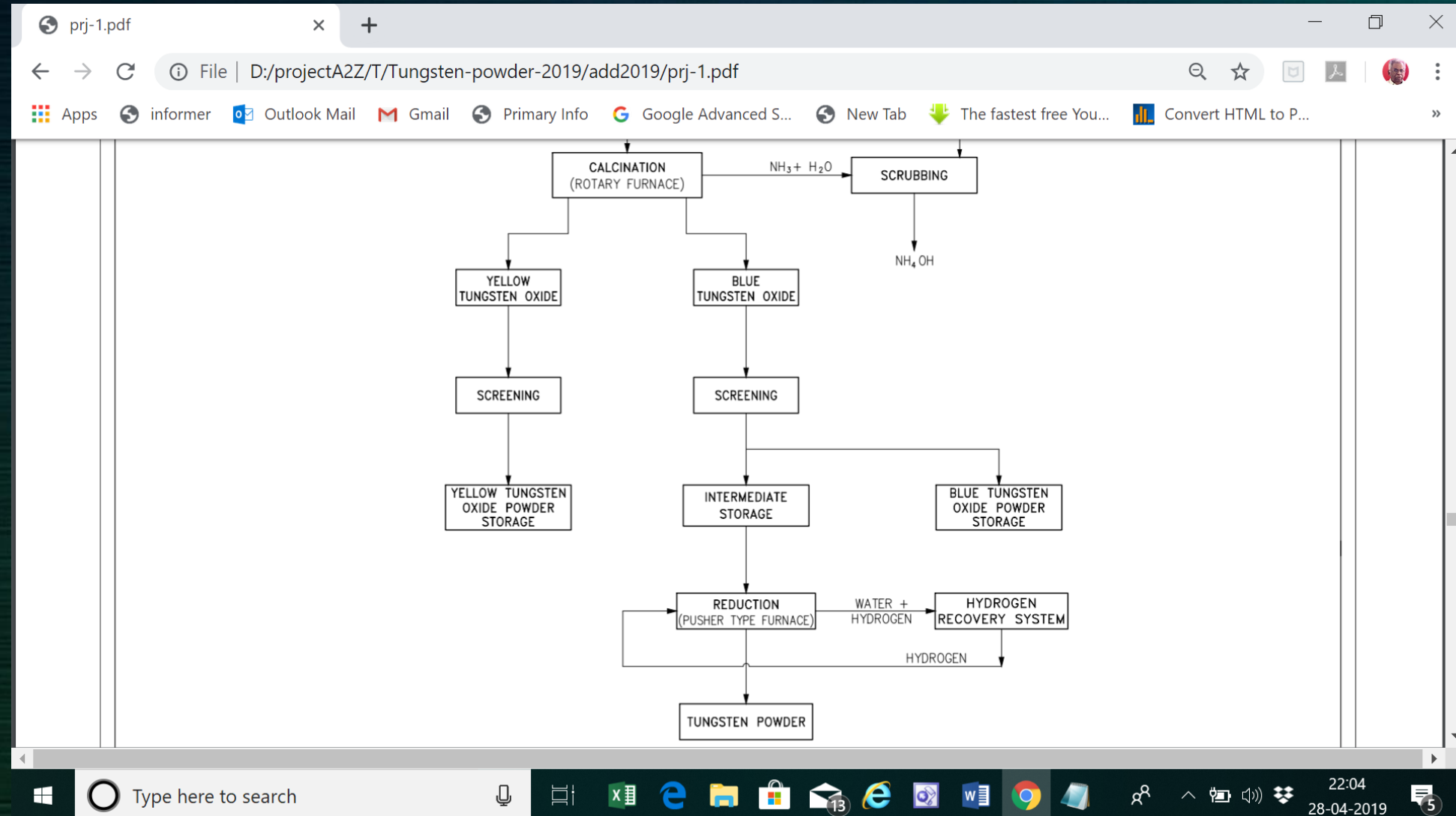


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Process of Tungsten powder production

Tungsten metal powder shall be produced by calcination of Ammonium Para Tungstate (APT) in a rotary furnace at required temperature to form WO_3 . It shall be then reduced with gaseous hydrogen in a Pusher-Type Furnace



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(12) **Patent Application Publication**
Naito et al.

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(43) **Pub. Date: Oct. 2, 2014**

(54) **METHOD FOR MANUFACTURING FINE
TUNGSTEN POWDER**

Publication Classification

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(2), (4) Date: **May 28, 2014**

(30) **Foreign Application Priority Data**

(57) **ABSTRACT**

A method for finely powdering tungsten powder, which includes electrolytically oxidizing tungsten powder while stirring in an aqueous mineral-acid solution to form an oxide film in the surface of the tungsten powder and removing the oxide film with an alkaline aqueous solution; a method for producing tungsten powder to obtain fine tungsten powder by a process including the above method for finely powdering; and a tungsten powder having an average particle size of 0.04 to 0.4 μm , in which the dMS value (product of an average particle size d (μm), true density M (g/cm^3) and BET specific

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Project, Trade Technology Information - Contents on CD ROM		
Information profile @ a Glance	Basic Information	Patent Information
<ul style="list-style-type: none"> Tungsten is one of the strongest metal and it is used in many forms like bars, alloy, powder. Tungsten powder is prepared by hydrogen reduction of tungsten trioxide or ammonium paratungstate. Preparation of hydrogen reduction process of tungsten powder is generally divided into two phases: the first in the 500 ~ 700°C temperature, tungsten trioxide or ammonium paratungstate. 	<p>Technology Information</p> <ul style="list-style-type: none"> Tungsten Metal Powder Production Production in Vertical tube reactor Reduction of tungsten oxides with hydrogen and with hydrogen and carbon 	<ul style="list-style-type: none"> Process for production of high surface area Tungsten & Tungsten Trioxide powders Production of Tungsten Carbide powder Method of producing tungsten and tungsten alloys.

Information profile @ a Glance

- Tungsten is one of the strongest metal and it is used in many forms like bars, alloy, powder.
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Basic Information

- Tungsten Powder Metallurgy
- Tungsten Metal Powder Production
- Production in Vertical tube reactor
- Reduction of tungsten oxides with hydrogen and with hydrogen and carbon

Patent Information

- Process for production of high surface area Tungsten & Tungsten Trioxide powders
- Production of Tungsten Carbide powder
- Method of producing tungsten and tungsten alloys.

Technology Information

- Tungsten Metal Powder Production
- Production in Vertical tube reactor
- Reduction of tungsten oxides with hydrogen and with hydrogen and carbon
- Technology Source - Recycling
- Case Study - Research
- Nanoscale tungsten powder
- Laser Processing of Tungsten Powder
- Powder Injection Molding
- Tungsten Oxide & Trioxide
- Tungsten trioxide powder

Companies & Products

- Tungsten Products
- Tungsten Heavy alloy products
- Company - China
- Company in News
- MNC
- Company - Russia
- Recycling company
- French company product
- Msd
- Msd
- Tungsten trioxide - msd
- Tungsten Oxide - msd
- Msd - Ammonium Paratungstate
- Generic EU Msds
- List of companies
- Tungsten Carbide recycling

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China Tungsten Powder Market Is Under Pressure With Intense

Published on Friday, 19 April 2019 16:12

Analysis of latest tungsten market from Chinatungsten Online

China tungsten prices remained weak adjustment on continued deadlocked supply and demand in the market. The raw material side stabilizes their offer levels with fewer low-price resources; downstream buyers are not active in inquiry with low consumption; smelting factories are under pressure, some of them even reduce production to stabilize product prices.

In the tungsten concentrate market, the control in raw material production supports tungsten ore prices and also benefits downstream product pricing in the cost side. Sellers now have not high acceptance for tungsten concentrate offers of \$14,765.6 from large companies, but the pricing is actual controlled by the demand side.

The relatively stabilization in the upstream eases the pressure brought from the imbalanced supply and demand to some extent. While downstream buyers'



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