

Water-molecule
Oil

Equipment for the synthesis fuel by 45% of nano · plasma particle and 55% oil

- **Objective** • “Nano plasma particle technology” contributes to global CO₂ reduction.
 - “20th century is the age of oil” → “the 21st century is the age of nano plasma particle”
- **Nano plasma particle diameter is 0.28~1.0nm (The water size is 1/3.6million ~1million mm.).**

Nano plasma is a supercritical water particle which is smaller than a gaseous particle. (It is not water.)
- **Combustion characteristics** High quality platinum synthesis fuel realizes high combustion with enhancing burning speed. (Hydrogen : 13.8%, Octane value : 65, Flash point : 65°C)
- **Economic effect** • Oil charge ▲45~50% reduction • Equipment cost : Allowable for depreciation 0.6~1.5 year • Leaseable
- **Characteristic** • Equipment cost and maintenance cost ⇒ Low cost (refer to running cost)
 - Environmental contribution ⇒ CO₂, NO_x, SO_x ▲50~80% reduction
 - The installation area is small ⇒ The model of 100 ℓ ≒ about 5.0m²
 - Loading method ⇒ split possible (half-day assembly) outdoor specification allowed
 - Installation is easy ⇒
 - Oil piping (saddle branch)
 - Water supply (15 mm)
 - Drain pipe (32 mm)
 - Electricity (100v & 200v) 10~37A or less
 - Large size : 23~223A
 - The Fire Service Act applied (local fire service notification required)
- **Quality** • Product equivalent to JIS standard
 - Heat generation is 2.0% improvement
 - Water content 0.1% or less
 - Refer to the analysis result report of “plasma synthesis fuel”
- **Superiority with other companies** “Nano plasma particle + oil” is the world's first technology. There is no comparison object.

However, in comparison with emulsion fuel “surfactant + oil”.

Maintenance costs are cheap. Customer profits are large.

(Customer profit of “surfactant + oil” is as small as 5 to 8%)

• Photo of synthesis fuel “Nano plasma particle 45% + Oil 55%”

Heavy oil



Left : nano plasma particle 45% + heavy oil 55%
Right : tap water 45% + heavy oil 45%

Light oil



Left : nano plasma particle 45% + heavy oil 55%
Right : tap water 45% + light oil 45%

Kerosene



Left : nano plasma particle 45% + heavy oil 55%
Right : tap water 45% + kerosene 45%

Equipment outline

