Stirling engines Construction high temperature piston main part of cylinder fly wheel ceromic dis placer 000 crank disk low temperature piston Support crank

> References · Wikipedia

Research Institure.

Motive We want everyone to know about the charm of this engine.

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Stipling Engine's Charm Hirosaki Minami High School

· Stirling engine is one form of heater. · It is heating and cooling

gas or air inside. a cylinder from outside.

· Gets power by changing the volume of the gas (expand by heating, shrink by cooling)

"Stirling engine's history"

·It was invented by Robert Stirling in 1816.
It died out when the

gasoline engine was invented.

It was revived around the time of ill

the time of oil shock in 1973 and 1979

MECHANISM (Alpha configuration)

COMPRESSION

pressure decreases as cooled air contracts HEATING
pressure in creases
as heated air
expands.





air moves from low temperature side to

high temperature side and the air is cooled

air pushes both pistons, storing up the excess energy

CONSIDERATION

Stirling engine has future promise.