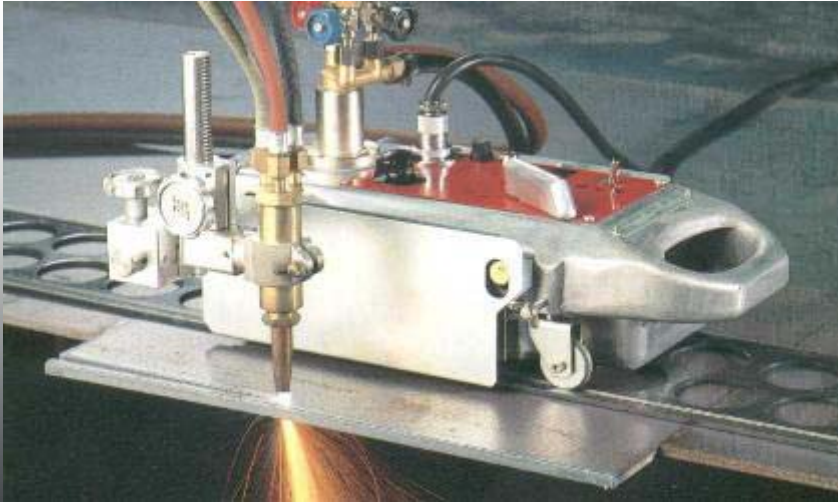


Gas Cutting Applications



HydroCut™ System

HydroCut™ System replaces traditional acetylene or LPG gas in oxy-flame cutting process with an environmentally friendly hydrogen fuel produced from electrolysis of water.

The high temperature hydrogen flame is well suited for thermal cutting applications, giving short preheat time and outstanding cutting speed.

To complete the process, external oxygen is required, although the consumption can be significantly reduced, due to the supplementary oxygen generated from electrolysis process.

Easy Integration

The HydroCut System will integrate seamlessly with your existing cutting accessories such as manual torches and automated cutting machines. No changes in cutting accessories is necessary.

Superior Cutting Speed

GasTec has designed cutting nozzles that are optimized for hydrogen flame. These high speed hydrogen cutting nozzles can deliver speed improvement up to 25% over comparable nozzles. Furthermore, the cleaner hydrogen fuel results in a longer nozzle life span compared to traditional fuel gas.

Superior Cutting Quality

The Hydrogen flame produces minimum slag and a finer cutting quality compared to acetylene and LPG gases. Post-cut cleaning and grinding is minimized, resulting in higher productivity and reduced labor cost.

GasTec Hydrogen Generator

Hydrogen gas is generated on demand. Each generator can support multiple torches depending on plate thickness and output capacity. GasTec produces a wide range of hydrogen generators which are CE certified and are fully backed by 12 month warranty.

Convenient & Economical

The system is easy to operate and maintain. Combining the convenience of on-site gas generation and energy efficient gas generator; attractive savings can be made over cylinder gases.

HYDROCUT SYSTEM



45 degree bevel cut – Coated mild steel plate in Tsuneshi Shipyard, Japan.



200 mm slab cutting – NKK Steel, Japan

Typical Cutting Applications

- Bevel cutting
- Pipe cutting
- Shape cutting

Targeted Industries

- Ship building
- Steel mill

Features

- CE Compliant
- Environmentally friendly, non toxic fuel gas
- Energy efficient electrolysis process

Benefits

- Outstanding cut quality & appearance
- Minimized post cut cleaning & grinding
- Improves productivity

Distributor



- Plate cutting
- Manual cutting
- Profile cutting
- Gouging

- Steel Foundry
- Steel fabricators

- Fully Automated controls
- Built in flash back arrestors

- Reduced oxygen consumption
- Convenience of on-site gas generation
- Safe

GASTEC®

On Site Gas Generation Systems

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