



RAGWORM
TAKES CARE OF CUTTING

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Ragworm® is a unique mobile cutting system for cutting steel plates under ultra high pressure, especially for cutting worn tank bases, tank roofs and the side walls of (oil) storage tanks.

Ragworm® has many advantages when compared to the conventional ways of cutting. Not only is the operating procedure different, but savings are also realized by working this way. Operating time is reduced considerably when in compared with the traditional Cold Cutting System.

Ragworm® is:

- efficient
- safe
- fast
- saves the environment
- no collateral damage to tank tarp
- low impact 5 cm
- cost reducing

Ragworm® is patented worldwide for its design, operating system and construction.

At last there is the ideal way to strip the (oil)storage tank from its rusty bottom and roof. It is no longer necessary to work with oxyacetylene torches or gouges no longer creating life threatening situations, such as risk of explosions and intense smoke production. Water jet cutting has been known for a long time as a safe alternative, but until recently it has been rather slow and labour intensive.

Ragworm® is the solution for all these jobs!



SAFETY



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With Ragworm® it is safety first

Up to now, the cutting of steel bottoms of oil storage tanks has always been performed by using oxyacetylene torches. A major disadvantages of this method are health hazards as well as environmental damage. Consider inhalation of product gasses that are released and risk of explosion to which many people are exposed during the traditional way of operating.



Ragworm® is the new 'competitor'

Ragworm® is a nearly fully automated cold steel cutter operated by a bi-directional cutting robot.

The mobile system operates much faster than the traditional one, it is conform the requirements of the Operational Health and Safety Act, is very safe and saves the environment.



Cold Cutting

The steel plate is cut by means of a new Cold Cutting System. This is cold cutting of steel by the use of a high pressure water jet and an abrasive (sand).

Risk of explosion is significantly reduced since no heat and/or sparks are produced during the operation.

The employers do not breath in harmful gasses and are not physically overburdened during the process.



Welding fumes and MAC values

Since the first of January 2003 a MAC value for steel, (not an alloy) has been established for welding fumes and it was reduced to 3.5 from 5 mg/m³.

The new MAC-values are now in force. Therefore, cold cutting is the answer.

POSSIBILITIES



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The possibilities of Ragworm®

Ragworm® can very easily be used for cutting bottoms, roofs and walls of (oil)storage tanks.

Tank roofs with the following damage:

- leaking
 - severe corrosion forming
 - damaged tears and corrosion seams
- can safely and quickly be cut out with Ragworm®.

However, there are many more ways to make use of this portable cutting system. For example:

- ship's decks
- oil production platforms
- pontoons
- oil tanks



Photo above:
Detail of cutting a tank roof off the tank.

Photo to the left:
General view of cutting a tank roof.

ADVANTAGES



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Summary of Ragworm® 's advantages:

Ragworm® only has advantages when it comes to cutting of steel in dangerous situations such as in oil storage tanks.

- no heat development
- no spark forming
- no release of product vapours
- no danger of explosion
- mobile
- cuts automatically
- cold cutting using water cooling or abrasive
- operated by only two persons
- low physical burden
- operates fast (average of 28 m per hour with two cutting devices)
- efficient
- safe
- fast
- environment-friendly
- no follow-up damage to the tank tarp
- little impact 5 cm

Ragworm® is a unique, safe and environment-friendly system. It is mobile and can be used nearly anywhere.



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