

BASIC-TOOL



Description

Developed in 1952 the *BASIC-TOOL* is the flagship of the **Re**inhart **C**leaning **Te**chnology (*RCT*).

The concept has often been copied but the quality of cleaning has never been reached.

Due to the spring-loaded, V-shaped arms, the *BASIC-TOOL* breaks and removes soft, brittle and medium-hard deposits.

The tool head acts as a guide, allowing the line to be opened near to the nominal diameter while preparing for the use of Rotating, Scraping and Tiger type tools.

Tool Data

Reinhart Mechanical Cleaning Tools (*MCT*) are tailor made.

Following pipe conditions, not related to each other, have already been cleaned.

Actual performed Ø range	mm min.	80 mm
	mm max.	1500 mm
	inch min.	3"
	inch max.	59"
Bend size	min.	1.5 D
Flow speed	min.	0.02 m/s
	max.	3.00 m/s
Optimal flow speed	approx.	1.00 m/s

Field of Application

Reinhart Cleaning Technology (*RCT*) adapts to the pipe material as well as to the propulsion medium.

Following materials or flow natures, not related to each other, have already been cleaned.

Pipeline Material

- · Carbon steel
- Cast iron
- Stainless steel
- PVC
- CRA
- Flexible
- HDPE
- Fiberglass

Propulsion Medium

- Water
- Crude oil
- Light fuel
- Multiphase
- Gas
- Brine
- Industrial product

Descaling

36" brine transportation pipeline descaling.



Dewaxing

16" crude oil export pipeline dewaxing.



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Company Presentation

Reinhart Hydrocleaning SA (RHC SA) is a family business based in Switzerland that has been providing a range of innovative, hydromechanical pipeline cleaning tools since 1952.



Designed and manufactured in house, the unique Reinhart Cleaning Technology (RCT) for pipeline cleaning can be applied to a broad range of industries onshore and offshore such as water, industry, natural gas or oil pipelines.

Besides cleaning various oil or industry pipelines with difficult to remove debris and or hard deposit build-up, RHC SA is often selected when pipeline requires internal metal loss inspection.

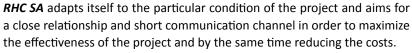


In addition to the mechanical cleaning of different kinds of pipelines, RHC SA is 100% autonomous when it comes to the design and approx. 95% autonomous when it comes to the fabrication of their Mechanical Cleaning Tools (MCT).

With several 4 and 5 axis drilling and milling machines, RHC SA is able to

push the internal R&D and to construct different cleaning tool designs to comply with client requirements and lead time.

RHC SA operates worldwide and has experience in working in Australia, Europe, Russia, South and North America as well as Middle East.





Reinhart Cleaning Technology

Adapted Cleaning Forces

RHC SA with its RCT provides adapted cleaning forces regarding:

- · Pipeline geometry
- Flow specifications
- Scale nature

Integrated Bypass

Since 1952 RHC SA uses bypass in its RCT to clean pipelines.

The bypass creates continuous flow across the tool and flushes removed deposits in front of the cleaning tool.

Progressive Cleaning Tool Design

RCT was developed and fine-tuned over the years with several tool designs for progressive dewaxing or descaling cleaning operations.

Efficient Cleaning Technology

RCT maximises the effectiveness of each cleaning run with a tailored cleaning solution.

RCT vs. Pigging

No Standard Tool Type Catalog

Customized tools according to pipe specifications:

- Deposit, cleaning medium, flow, etc.
- Pipe geometry (internal Ø's, bends, etc.)

No Standard Sizes

- Optimized cleaning forces to internal pipe Ø
- Adapted propulsion to internal pipe Ø
- Optimized tool length to pipe specification

No Static Cleaning

- · Dynamic cleaning with optimized bypass
- Flush effect is a standard in RCT
- · Deposit floating in front of the tool

Cost Saving Solution

RCT effectiveness is a long term cost saving solution:

- · Effective cleaning tools
- · Less cleaning runs
- Shorter cleaning schedule
- Less operational costs







