



BRUSH-KART™
UNDERWATER HULL
CLEANING EQUIPMENT





Introduction to Underwater Hull Cleanings

Purpose

The main purpose of underwater hull cleanings is to remove the rough and uneven surfaces of a ship's wetted hull plating and propeller assembly which have become fouled by aquatic organisms known as Marine Growth.

What is Marine Growth?

Marine Growth, or Biofouling is a term used to describe plant and animal species that have grown on the underside of marine vessels. They are found in different hard forms like barnacles or oysters, and soft forms like grass, hydroids and algae. But no matter which variety your ship is fouled with, all unwanted growth will have a tremendously negative effect on the vessel's performance.

Why get your vessel cleaned?

Typical benefits of regular hull cleanings include increased speed, lower fuel consumption, and the opportunity to inspect the subsea components of your vessel

Why choose TSS?

We are the only commercial diving company in the nation to utilize the patented Triple Head from Piccard Divers. It is designed to tackle dirty hull and propellers using interchangeable brushes and polishing pads that suit your vessel's needs.

Our system is fully versatile and capable of removing growth on any vessel regardless of fouling condition, coating and hull shape.

Advantages of the Piccard BRUSH-KART™ Equipment

Fully Mobile



- The BRUSH-KART™ system is extremely versatile yet incredibly compact. It can be easily transported to by truck to jobs sites nationwide and is capable of cleaning any hull condition

Easily Deployed and Operated



- It is operated by only one diver who simply mounts the BRUSH-KART™ on the hull and directs it with the steering wheel and the speed control valve. Having the diver physically on the job to facilitate cleaning operations makes it far superior to any remote control system

Proven Technology



- Piccard BRUSH-KART™ has proven itself over the years with its cleaning effectiveness. Selling over 220 systems to date world wide, it is the Gold Standard for underwater ship cleanings

BRUSH-KART™ Operations



The Piccard BRUSH-KART™ can clean up to 3,600 m²/hour in 1.25 m swaths. This means a cleaning on a moderately fouled 200 m vessel can be completed in about 2 days or 16 continuous working hours. It can be operated in depths of up to 13 m.

Simultaneously, additional hydraulic tools can be run from the BRUSH-KART™ system to clean the propeller, rudder, bulbous bow and other out-of-reach areas. Together with our 'multi-layered' procedure we can achieve Rubert 'A' propeller smoothness <0.65 microns



BRUSH-KART™ Brush Selection

A loaded quiver of brushes is transported with the system to each job. After the initial inspection, the vessel's biofouling is assessed and a suitable combination of brushes is selected and installed to the Brush-Kart™



Hard Inox

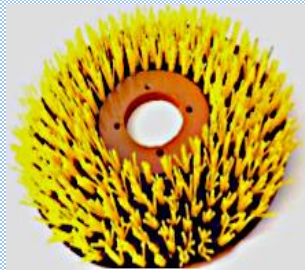


Soft Inox



Hard Steel with
Corridors

Inox and steel brushes of varying stiffness are used for cleaning heavy, stubborn and severe fouling such as muscles, barnacles, oysters and long grasses



Hard Nylon



Extra Soft Nylon



Hard Silicone



Soft Silicone

Nylon and silicone brushes of varying stiffness are used for cleaning light fouling such as slime, algae, and hydroids. They are also used on vessels with silicone or other soft paint coatings



Thai Subsea Services Limited

*Your #1 Underwater Service
Provider in Thailand!*

Contact us now for a free quotation

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