



ULTIMATE WATER JETTING SOLUTION



## ULTRA HIGH PRESSURE Water Jetting Equipment



Committed to your operational success



**A leading  
One Stop Shop for  
Water Jetting Solutions**





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## Part of the Nilfisk-Advance Group

Welcome to DEN-SIN world of professional water jetting, a member of the Nilfisk-Advance Group of companies. Nilfisk-Advance is one of the leading manufacturers of industrial cleaning equipment with sales entities in 44 countries around the world together with network of dealers in more than 70 countries.

We are looking forward to providing you with the best possible equipment and services to meet your needs. 20 years of dedication to high pressure water jetting technology and its grand spectrum of professional use have made us a growing One Stop Shop for water jetting solution. It is the result of our focus on providing solutions, safety, innovations, expertise and training programs, to help our customers get their job done in the most efficient way.

## Advanced Technology

Water jetting has been DEN-SIN core business since 1989. We have serviced thousands of customers all over the world from our plant based in Singapore. We developed and launched over 20 product innovations with pressure ranging from 110BAR to 2500BAR to cater for different industries and provided solutions that made water jetting more efficient, safer and more cost effective. And we are still committed to providing state of the art knowledge, solutions and services. At DEN-SIN, we are committed to your operational success

**Danish Design Singapore Made**



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## The Ultimate Water Jetting Solution

As an Original Equipment Manufacturer of high pressure water jetting equipment, DEN-SIN offers you complete and unique solutions for all cleaning applications. We design semi-automatic cleaning solutions and engineered solutions, both for standard and specific applications while having more than 20,000 parts in stock directly available to you. In doing so, we ensure continuity of your operation.

## Global Service

DEN-SIN provides you with a global 24/7 service to guarantee the efficient continuation of your operation at all times. We therefore invest in good relationships and guarantee excellent added value to your process. You will notice that we actively invest in respectful and sustainable relationships. We do so with all our customers, strategic partners and industry leaders. Simply because we know that a mutual commitment and understanding can make all the difference in the world.

**Engineered Water Jetting Solutions**



## Customisation

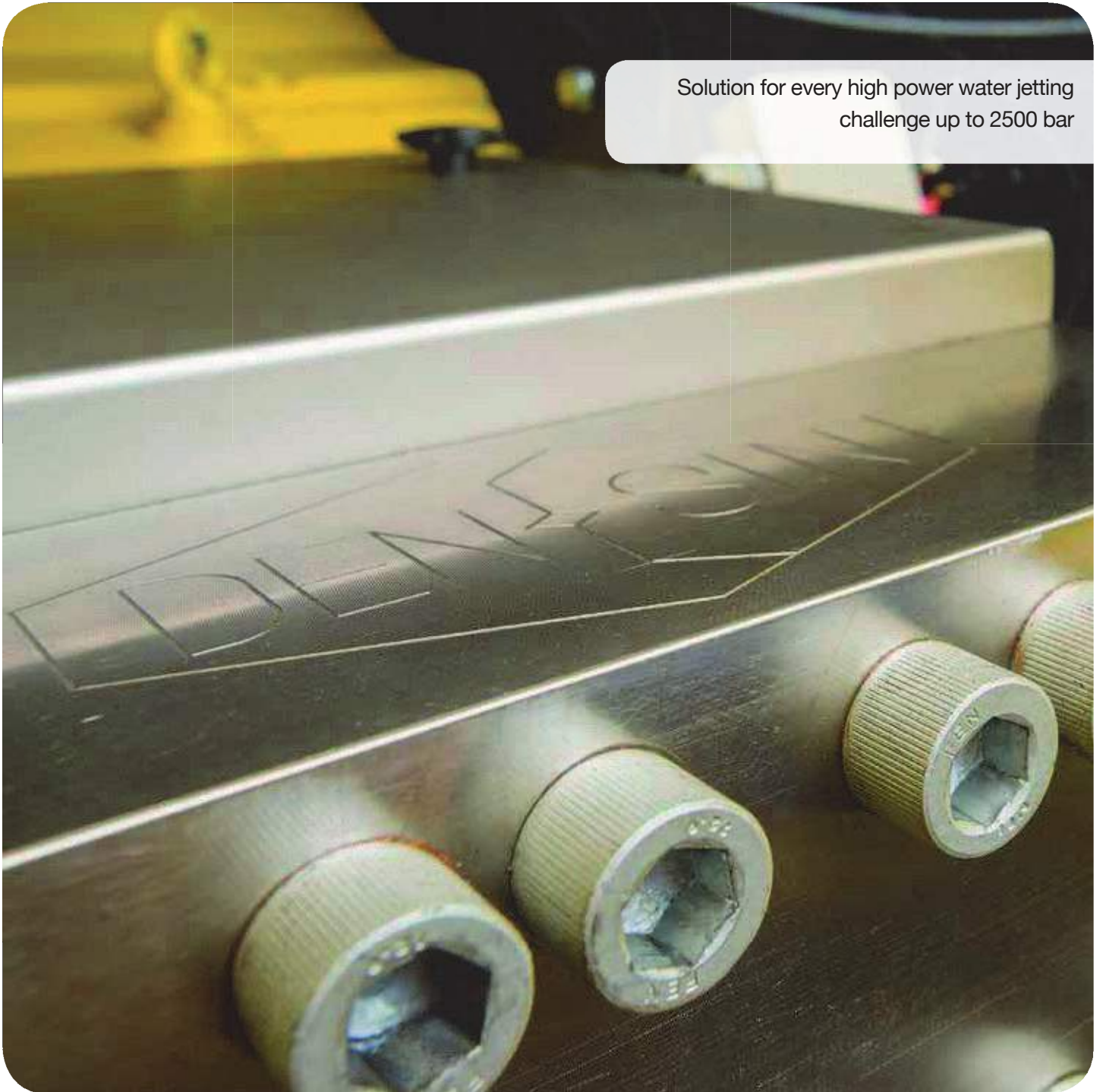
DEN-SIN In-House R&D team is able to customize water jetting systems according to individual customers needs. We manufacture these tailor made high pressure water jetting units in our plant according to your needs complete with special accessories for specific applications.

## Consultancy

DEN-SIN is committed to provide you with expert guidance in the field of water jetting technology. Our Consultants research, development and selection of the most effective water jetting solutions for your business. This is our commitment to you ± The Ultimate Water Jetting Solution.

**We design it for you**

Solution for every high power water jetting  
challenge up to 2500 bar



# DISCOVERING DEN-SIN ULTRA HIGH PRESSURE JETTING SYSTEMS

A complete range for all professional applications

In DEN-SIN, we cater to water jetting applications with a wide range of systems. These include industrial high pressure units up to 2500BAR with electric and diesel driven models in our range of products. All water jetting systems are customized to individual needs to attain the most effective and efficient method of getting your job done.



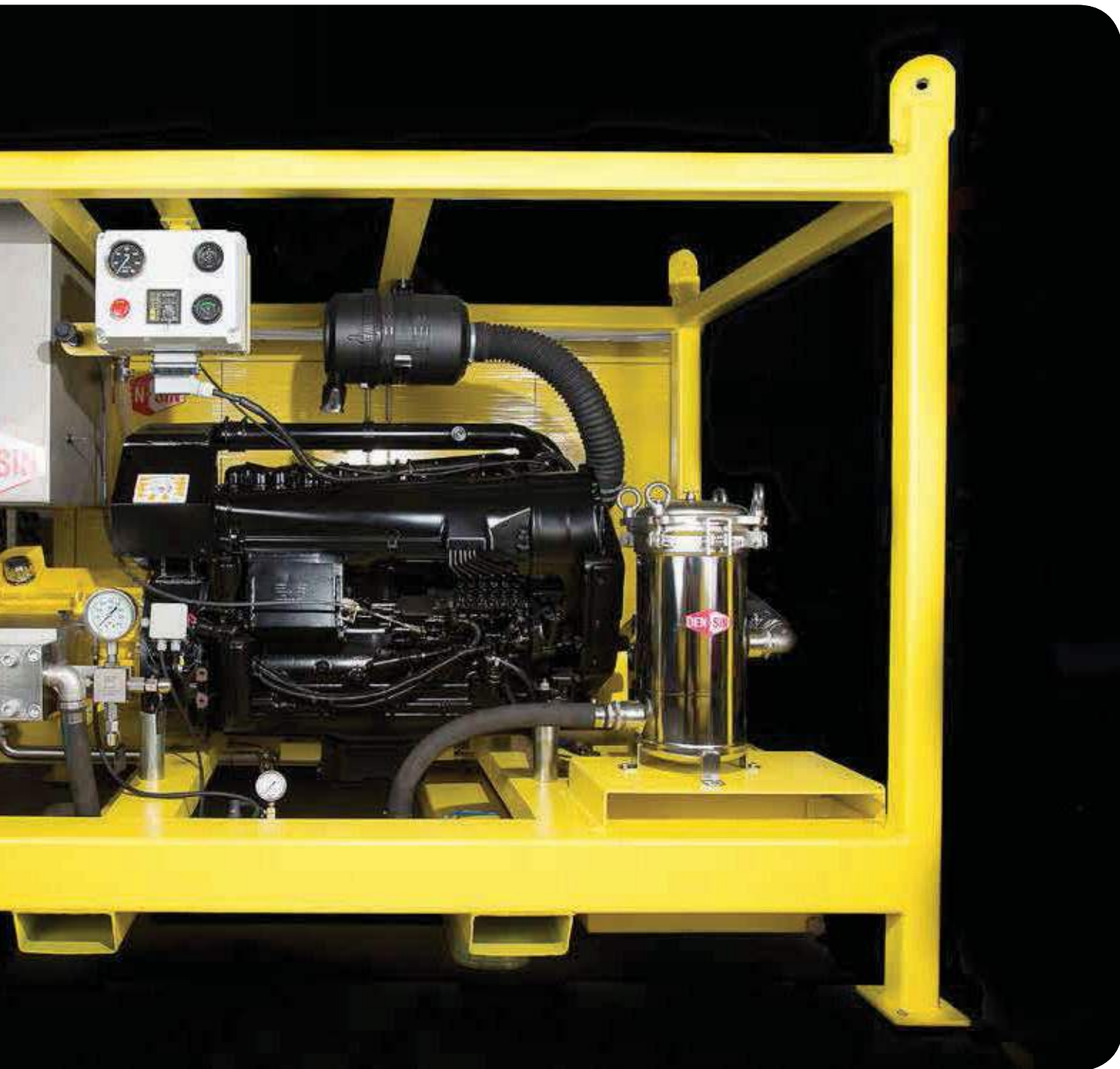




# Features

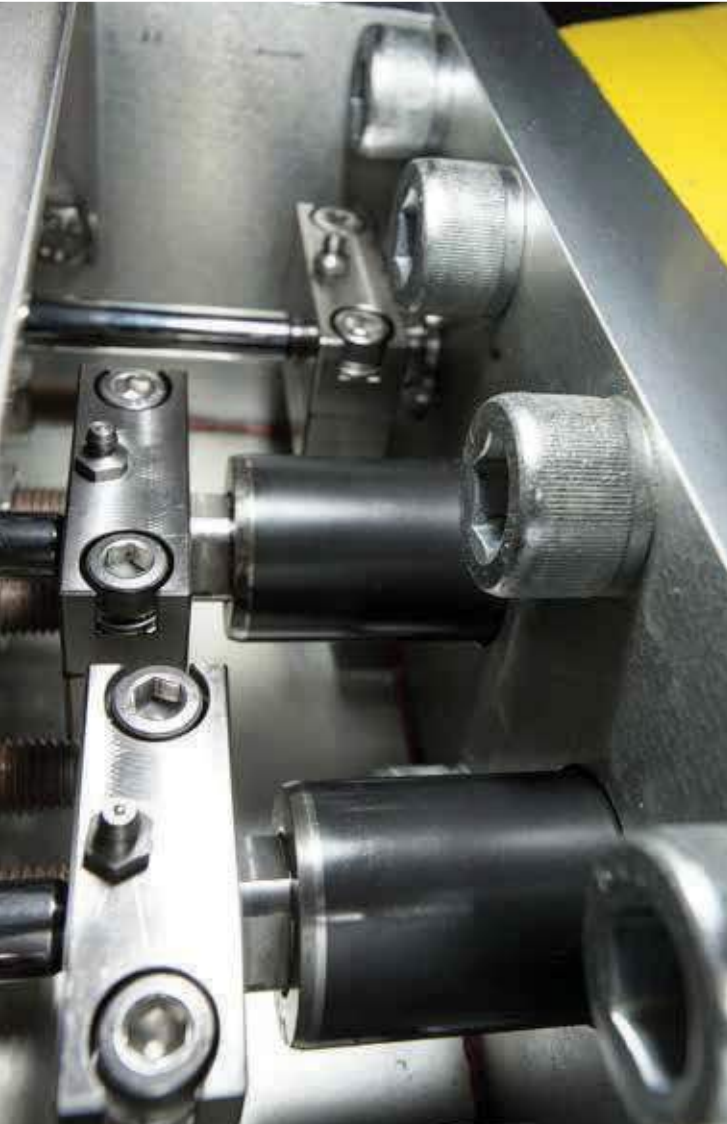
- Non corrosive materials used in pump, fittings and pipes
- Large high flow stainless steel water filter with the benefit of reduced cavitation through even linear water flow
- Triplex pump with Tungsten Carbide plungers
- Floating Plunger system with water cooling and lubrication
- In-line Valves
- Low water level and low supply pressure cut-off system
- Built in reduction gearbox
- Stainless Steel water tank, 250L, rubber mounted
- Extremely service friendly pump design
- Four leg isolators, full frame protection
- Back flush primary inlet water filter system
- Galvanized and powder coated box section steel frame
- Available in Electric powered or Diesel Powered (6 Cyl turbo charged w.intercooler Air cooled engine)
- Small foot print (D: 2600mm X 1450mm X 1800mm) & (E:2200mm X 1300mmX 1900mm)





# Features

- Floating Plunger System



- DEN-SIN Pump Power End



- Triplex Pump with Tungsten Carbide Plungers

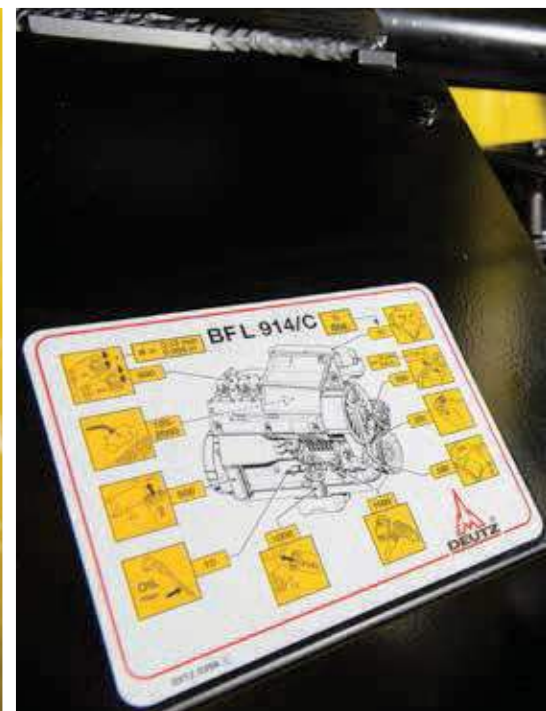


# Features

- Booster Pump



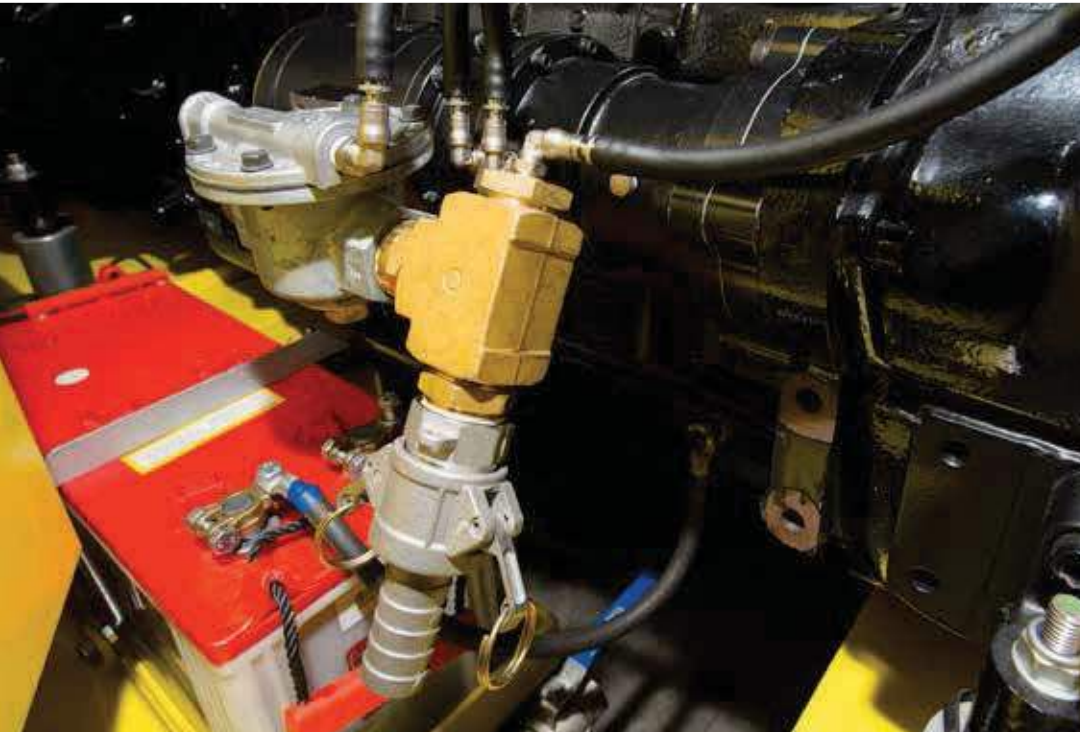
- Deutz 6 Cylinder Turbo Charged with Intercooler Air Cooled Engine



- Throttle Control



## Options



• Air Starter Kit



• Spark Arrester & Raincap





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• Chalwyn Valve



• High Flow Filter System

# Everything you need

## Large Collection of Accessories

Many accessories make water jetting operation easier and safer. DEN-SIN one stop for the Ultimate Water Jetting Solution wouldn't be complete without offering the largest selection of accessories in the industry. We provide different accessories suitable for a vast range of applications which include:

- All types of Nozzles
- Guns, Foot Valves and Tumble Boxes
- Pressure Gauge
- Rupture Discs
- Pressure Relief Valves
- 2 Way Ball Valves
- Throttle Control System
- Hoses and Rigid Lances
- Lancing Machines
- Safety equipment
- PPE for high pressure water jetting
- Special Equipment





Every brand, every part  
Always on stock

# DEN-SIN Innovations - Special Equipment

## Deck Cleaner

### Key Benefits:

- Fast and effective removal of paint, rust and cement from large flat horizontal surfaces
- Rotating movement of the nozzle carrier and piercing sapphire nozzles provide consistent cleaning results
- Operating up to 2800BAR
- Ergonomically designed and adjustable handle reduce operator fatigue while increasing productivity
- Small and compact design enables cleaning on almost all flat surfaces, corners and under deck piping
- Nozzle height can be adjusted to remove 100% of all surface coatings or raised to remove only top coating

### Technical Data:

- Effective Working Width: 305mm
- Weight: 36.5kg
- Number of Nozzles: Up to 6 nozzles
- Rotating Speed of nozzle carrier: 1875 rpm
- Air Flow required: 94L/min
- Maximum Working Pressure: 2800BAR





An Innovative Equipment  
designed by DEN-SIN, produced by DEN-SIN

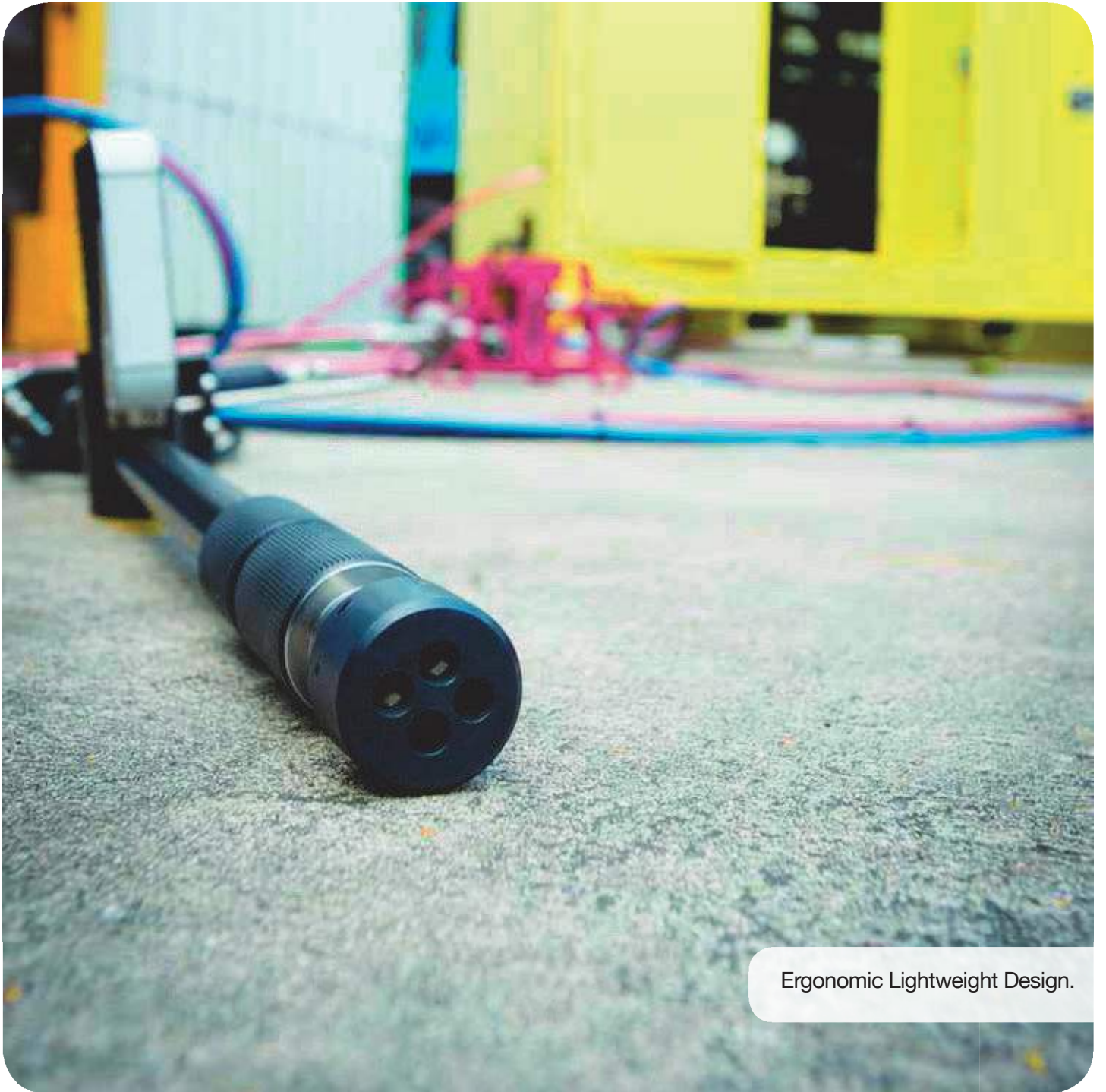
# DEN-SIN Innovations - Special Equipment

## Terminator UHP Gun

### Description:

- An innovation by DEN-SIN R&D team
- Air powered rotating gun operating up to 2800BAR
- Attached to 4 or 5 way nozzle carrier to achieve maximum blasting efficiency
- Light weight with safety handle
- Easy servicing





Ergonomic Lightweight Design.



## Safety First

High pressure water jetting can be potentially dangerous without the proper safety precautions. We are partners with TST Sweden AB, Europe's leader in protection for water jetting to provide safety solutions







# Diesel Models

Technical Data		C-800/80D	C-1000/63D	C-1400/38D	C-2000/30D	C-2500/25D
Pressure:	bar/psi	800/11600	1000/14500	1400/20300	2000/29000	2500/36250
Flow:	L/min/USgpm	80/21.1	63/16.7	38/10	30/7.9	25/6.6
Power consumption:	Kw/Hp	112/150	112/150	112/150	112/150	112/150
Engine:		Deutz 6 Cyl. Turbo Charged w.Intercooler Air Cooled Diesel	Deutz 6 Cyl. Turbo Charged w.Intercooler Air Cooled Diesel	Deutz 6 Cyl. Turbo Charged w.Intercooler Air Cooled Diesel	Deutz 6 Cyl. Turbo Charged w.Intercooler Air Cooled Diesel	Deutz 6 Cyl. Turbo Charged w.Intercooler Air Cooled Diesel
Engine speed:	Rpm	1800	1800	1800	1800	1800
Fuel tank capacity:	L	140	140	140	140	140
Weight:	kg	1700	1700	1700	1700	1700
Dimension L x W x H:	mm	2600x1450x1800	2600x1450x1800	2600x1450x1800	2600x1450x1800	2600x1450x1800



# Electric Models

Technical Data		C-800/80E	C-1000/63E	C-1400/38E	C-2000/30E	C-2500/25E
Pressure:	bar/psi	800/11600	1000/14500	1400/20300	2000/29000	2500/36250
Flow:	L/min/USgpm	80/21.1	63/16.7	38/10	30/7.9	25/6.6
Power consumption:	Kw/Hp	112/150	112/150	112/150	112/150	112/150
Motor Input speed:	Rpm 50HZ/60HZ	1500/1800	1500/1800	1500/1800	1500/1800	1500/1800
Weight:	kg	1800	1800	1800	1800	1800
Dimension L x W x H:	mm	2200x1300x1900	2200x1300x1900	2200x1300x1900	2200x1300x1900	2200x1300x1900



# Ultimate Water Jetting Solutions

- Semi-automatic cleaning solutions
- Consultancy, research and development
- Complete systems for all industrial cleaning professionals
  - All parts in stock, delivery direct from Singapore
  - 365/24/7 global service



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