SCAN WINCHES
Marine – Offshore – Industries

a2:scan
a2:scan steering
a2:scan winches
a2:scan industries
AS SCAN

AS SCAN is a modern and high tech engineering company with 30 highly qualified employees. AS SCAN has extensive experience in steel structures, engine and hydraulic installations, and deliveries to the Navy, offshore, district heating sector and the wind industry. The company has CNC machines with CAD / CAM systems.

AS SCAN Hvide Sande was established in 1960 and functioned as a supplier of technical solutions as the fishing industry was at its highest in Denmark. After the decline in the fishery, the subsequent development of the quota system and the development of fisheries as an effective industrial unit with fewer and larger vessels, we decided to focus on other types of ships and energy solutions to the industry.

AS SCAN evolved from being a local fishing gear provider to become an export oriented company with several products for various industries and markets worldwide.

Scan Winches

Scan Winches is a flexible and modern business unit, working with development, design and production of a wide range of products for various industries. Clients to Scan Winches mainly come from fishing Industri, commercial fleet and land based energy industry.

Scan Winches designs, manufactures and installs complete hydraulic systems and have great success with the development of customer-specific winches.

As a Volvo dealer, Scan Winches install and service main engines and generator sets on all types of ships worldwide. Our technicians are highly flexible and have a wide range of skills.

At Scan Winches we have 24/7 service and our service engineers are ready to go worldwide to solve any service task inside our business area. You are always more than welcome to contact us in order to get more information about specific tasks. Just call +45 97 31 10 45 or send us a mail on info@as-scan.com.
In Scan Winches design department we constantly develop customer-specific solutions, which are designed in our 3D Inventor program. Our design work follows a “Stop or Go” strategy and a design specification is made together with our customers for all major tasks.

Hose Winch
is developed along with one of Scan Winches new customers. The hose winch is part of a bigger machine and close cooperation on the design has been extremely important. Scan Winches was chosen for this task because of the more than 50 years of experience the company has in the development of fishing equipment.

Driving Gallows
is a specialized development of a known design, where our customer had specific wishes. The Driving gallows is special as it is able to allocate block carriages separate on both sides of the gallows. The design includes both mechanical and hydraulic solutions. For more information see www.as-scan.com/movie.

Stern Gate
for rescue boat. This is one of the major design projects in recent times. The design was developed in close collaboration with our customer to withstand the toughest demands of the Northern Sea. The project is a turnkey project and Scan Winches has been responsible for the installation abroad. The design includes both mechanical, hydraulic and electrical solutions.

Winch Design
At Scan Winches we constantly develop new winches of all types and one of these has been the anchor windlass here. The Anchor Winch is designed especially for a ship where space requirement was a big factor and it is class approved by Bureau Veritas, but it could have been anyone of the major classification companies, since we work with them all.
The Volvo Penta Green Commitment
Reducing environmental impact is a global challenge. As industry leaders in engine power, our commitment includes:

- State-of-the-art engines that deliver more performance and less environmental impact.
- Revolutionary propulsion systems that offer better efficiency for dramatic cut in CO₂ emissions.
- Manufacturing in environmentally certified world-class production facilities.
- For more information see www.as-scan.com/movie.

Green is more than a color – it’s a commitment!

1. Volvo Main Engines
   Do you think that advanced and electronically controlled diesel engines are not heavy duty? Think again. This is the new VOLVO Penta D13 MH a new level of reliability with extended service intervals and reduced fuel consumption. The D13 MH is EPA Tier 3 emission complaint. Heavy duty ratings up to KW/HP 370/503

2. Volvo Penta IPS
   Volvo Penta IPS and Duoprop sterndrive are complete and integrated systems – from helm to props. Efficiency is around 30% better than with inboard shafts and waterjets, radically reducing fuel cost and exhaust emissions. The low fuel consumption and efficient service, in combination with off-the-shelf Volvo Penta parts, radically reduces the total cost of ownership. The joystick makes maneuvering and docking very easy. All kinds of maneuvers are possible: sideways, forward, reverse or even rotating.

3. Volvo Auxiliaries and Generating sets
   With expertise in marine power engineering, a broad range of reliable marine diesel engines and collaboration with leading component manufacturers, Volvo Penta offers complete and cost-efficient onboard power solutions. Our auxiliary engines and complete generating sets are famous for their technical qualities and superior reliability standards. Moreover, we supply a wide range of services that optimise your investment. And we provide worldwide support. As a part of the Volvo Group, we have access to the powerful resources of the leading manufacturer of heavy-duty diesel engines. So with Volvo Penta, you can rest assured that the latest technological breakthroughs are at your service – today and tomorrow.
1 **VOLVO Main Engine Installation**
Scan Winches perform complete installations of main engines and generating sets for new buildings at Danish shipyards. Especially the fishing industry uses the new main engines from Volvo, but also ship owners from the rescue and supply Industri have become aware of the benefits of fuel-efficient main engines from Volvo.

2 **VOLVO after-sales and service support**
As a part of the VOLVO partner network, Scan Winches perform after-sales and service of all Volvo engines, both our own and others' installations. As we have more than 50 years' experience with virtually all engine manufacturers, we have no problem preforming service on brands other than VOLVO. Our service engineers are ready with their tools boxes 24/7 and ready to travel worldwide.

3 **Speedy and mobile troubleshooting**

**Solution**
Volvo IT has developed the user-friendly and highly portable Volvo Diagnosis Application (VODIA) in order to facilitate repair and maintenance operations for Volvo Penta’s service technicians.

**Proven technologies**
The handheld computer has a touch screen for maximised usability, and relies on Windows-based software for troubleshooting, parameter programming and test operations.

**Reduced downtime for customers**
VODIA has contributed to increased efficiency at Volvo Penta’s service workshops - and reduced downtime for its customers.
Anker, Gilson & Mooring Winches

Scan Winches produce a wide variety of winches for the maritime industry. Within the past year, the requirement for traction and compatibility has become more demanding and Scan Winches has followed the developments closely and changed their design to meet the stricter requirements. Scan Winches have chosen to have a small number of standard winches, for the different type of winches in our program and based on these standards, all customized winches are designed. In this way ensuring the winches are functional and that customer requirements are met.

1 **Anchor handling winches**
The anchor winches are designed as single or double drum and a tractive power of up to 50 tones. The winches are delivered with 1 or 2 speed motors and with manual or automatic brake control. The construction is always of sturdy design and with roller or slide bearings. The finish is done by metalizing and painted with 2-component epoxy or it can be hot galvanized.

2 **Gilson winches**
The Gilson winches are designed as single or double drum and a tractive power of up to 25 tones. The winches are delivered with 1 or 2 speed motors and with automatic brake control. The construction is always of sturdy design and with roller or slide bearings. The finish is done by metalizing and painted with 2-component epoxy or it can be hot galvanized.

3 **Mooring winches**
The Mooring winches are designed as single or double drum, with both manual or hydraulic, clutch and brake. Tractive power on the Mooring winch is up to 25 tones. The winches are delivered with 1 or 2 speed motors and with automatic brake control. The construction is always of sturdy design and with roller or slide bearings. The finish is done by metalizing and painted with 2-component epoxy or it can be hot galvanized.
Split winches
from Scan Winches are of the highest quality. The design is very robust and thoroughly tested in the worst environment possible. As one of the few manufacturers Scan Winches delivers the winches as hot galvanized, if the customer so desires. This places higher demands on production, but as Scan Winch has new and top modern CNC machinery department, this is not a problem only a task.

1 Split winches SW35
The split winch GM 35 is a top modern winch with a tractive power of up to 50 tones. The winches are delivered with 1 or 2 speed motors and with automatic brake control. The construction is always of sturdy and compact design and with roller or slide bearings. The finish is done by metalizing and painted with 2-component epoxy or it can be hot galvanized.

2 Split winches SW35
The wire guide of GM35 can be set in all angels over and under the drum. The wire capacity is according to customer’s wishes and a measuring system, for pull and length, for auto trawl can be incorporated in the design.

3 Split winches GM06-GM35
The split winch GM06-GM35 is a simple and unique winch type used for trawling on many small and medium size fishing vessels. The winch can be delivered with tractive power of up to 15 tones. The hydraulic motor for this type of winches has built-in brake and counter balance valves. This makes the installation even more simple and the need for brake band redundant. These winches with its compact design, have no need for wire guide, this means very low maintenance cost.
3 Drum Winches

from Scan Winches are of the highest quality. The design is very robust and thoroughly tested in the worst environment possible. The tractive power is up to 50 tones and it can be delivered with 1 or 2 speed motors. The winches are designed with 2 to 5 drums all with the capacity required by the costumer. Automatic or manual brake control is fitted as well as automatic or hand operated hydraulic wire guide. As one of the few manufactures Scan Winches delivers the winches as hot galvanized, if the customer so desires. This places higher demands on production, but as Scan Winch has new and top modern CNC machinery department, this is not a problem only a task.
Net drums

Scan Winches produces single, double or even triple net drums with tractive power on up to 40 tons. The net drums are delivered with 1 or several speeds, with or without gears. The net drums are designed with automatic or manual braking control. Trawl capacity and dividing plate size according to customer requirements. The finish is done by metalizing and painted with 2-component epoxy or it can be hot galvanized, when the material used is steel, but the net drums can be produced in aluminum as well.
Net Haulers

The classic HLT net hauler, which is very well known among fishing men all over the world. It is easily recognizable because of its red belt, which together with the drum produces the hauling power. Due to the unique characteristics of the HLT hauler; it had been sold to more than 20 countries. The net hauler is made in several models according to size of ships and water depth.

1. HLT 200 / HLT 200/2
   The HLT 200 & 200/2 is the smallest model net haulers from Scan Winches and is normally used on fishing vessels up to 8 meters length. Both models have an overall size LHW 800, 550, 550mm and a weight of 50/58kg. For more specific details please contact info@as-scan.com.

2. HLT 500/500, HLT 650/500, HLT 750/500, HLT 850/500
   The HLT 500/500, 650/500, 750/500 & 850/500 is the classic and most sold HLT net haulers. The models cover all size of fishing vessels and are sold to more than 20 different countries for more than 40 years. They can be delivered with extra broad drum, extra-large belt, and tilt pedestal for certain shelter decks vessels. It can be made in steel, aluminum or stainless steel. To ensure an easy an precise control of the HLT haulers functions, a DANFOSS proportional valve is normally supplied together with a control panel to be mounted in the wheel house. For more specific details please contact info@as-scan.com.

3. HLT 500/250, HLT 850/350
   The HLT 500/250 & 850/350 is the new generation of net haulers from Scan Winches. This machine is developed to be even more careful with fish and shellfish which improve the quality of the fish. The classic red belt has been eliminated and replaced by a new traction device placed on the side of the machine. In this way the tractive power is only transferred to the top and bottom lines and this causes less injure to the fish. The models cover fishing vessels from 8 meters and up. For more specific details please contact info@as-scan.com.
1 **Net Clearer**
The new crew member is a net clearer machine from Scan Winched. The net clearer clears up all types of net and is easy to install and connect to the existing hydraulic system. It need only 15 liters per minute and weighs no more than 60 kilos.

2 **LBS Net transporter**
The net transporter has been developed in order to make the transfer of nets easier on board the vessels, or from vessel to quay. The machine is more or less maintenance free and need only 15 liters per minute and weighs no more than 38 kilos. The LBS type can be mounted directly on a poundboard.

3 **LBH Net transporter**
The net transporter has been developed in order to make the transfer of nets easier on board the vessels, or from vessel to quay. The machine is more or less maintenance free and need only 15 liters per minute and weighs no more than 38 kilos. The mounting brackets on the LBS type is designed to fit a u-profile sliding system, so the transporter can be used on several locations on the vessel.

4 **Crab Crusher**
The crab crusher is designed together with local fishing men as the amount of crabs have increased rapidly in periods. The machine is very simple and easy to operate, and requires 30 liter per minute at 170 bars in order to transfer the net and crush the crabs. The crab crusher weighs no more than 60 kilos. For more information see www.scan-winches.com/movie.
Scan Winches have delivered the complete hydraulic package including automatization for the Uraniborg ferry built by HSSB DK.