FUGRUM™

SUBSEA TECHNOLOGIES

REMOTELY OPERATED VEHICLES

everything remotely possible™

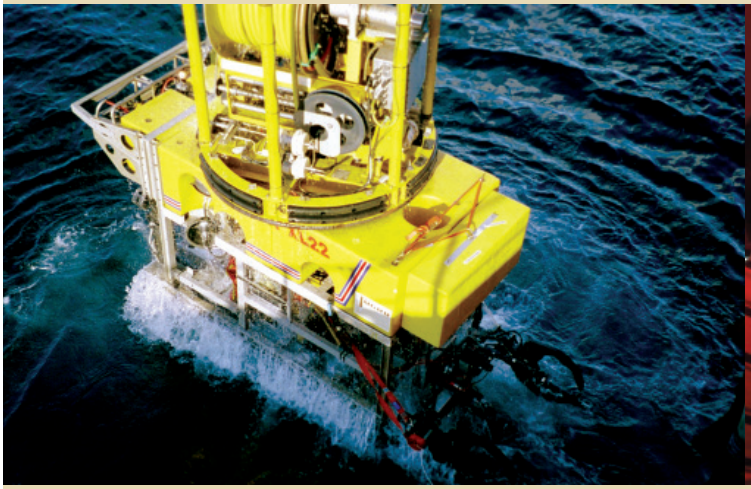
Forum Subsea Technologies is the leading provider of subsea Remotely Operated Vehicles through its two globally recognized brands: Sub-Atlantic™ and Perry.™

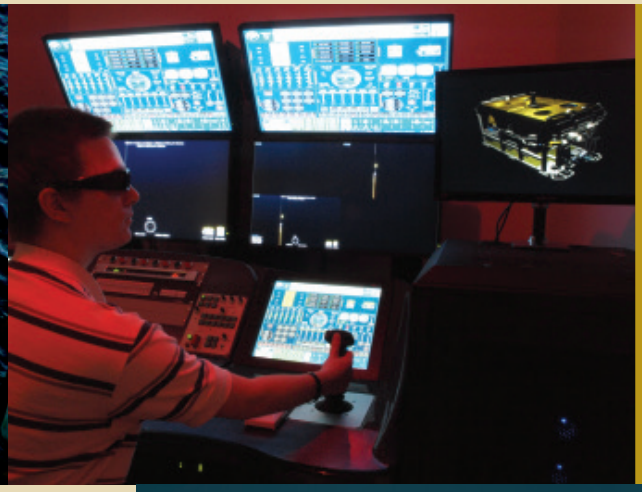
And we offer the world's most comprehensive range of ROVs used for inspection, survey and deepwater construction. From electric Observation-Class ROVs to large hydraulic Work-Class vehicles, Forum has the solution.

We are everything remotely possible™

Work-Class Vehicles

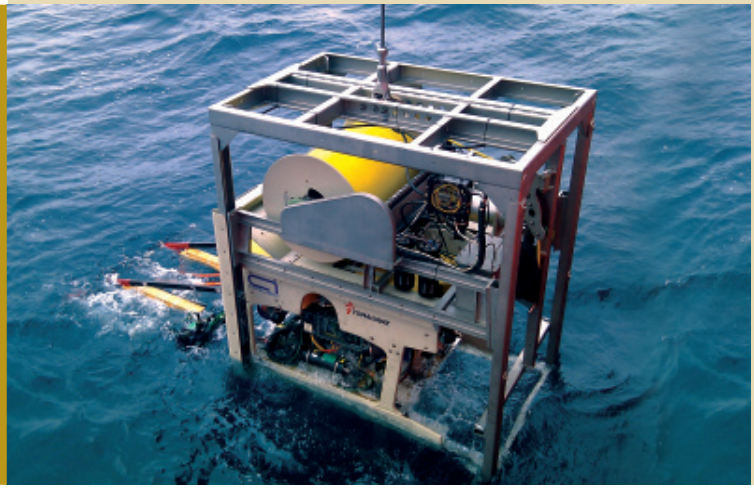
Perry™ Work-Class ROVs have enabled the development of much of the offshore oil and gas and telecommunications industries over the past four decades. As the leading brand in the design and manufacture of remote intervention technologies and equipment systems, Perry is known worldwide for unrivaled quality and technical excellence. We are the leading supplier of deepwater Work-Class ROVs, and have produced innovative solutions for deepwater intervention problems. Our ability to design and produce a wide range of ROVs, Trenchers, Tether Management Systems, Submarine Rescue Systems, Submarine Cable Ploughs, Tooling Systems and Remote Intervention Technologies is unmatched across the world. The Perry brand brings a wealth of experience, delivering products that perform reliably in hostile environments.





Observation-Class ROVs

Sub-Atlantic™ is a leading brand of Observation-Class ROVs. With respected vehicle names like Mojave, Mohawk, Mohican, Super Mohawk, Tomahawk, and Comanche, we have an earned reputation for quality and performance. As the leading propulsion supplier to Work-Class ROV builders, we provide hydraulic thrusters, hydraulic power units, valve packs, compensators, and pan and tilt units that are designed and built with the highest levels of technology, expertise and innovation. Our Sub-Atlantic products operate in the world's harshest environments.



Global Service Footprint

Forum has a global presence of service centers that provide ongoing support and solutions after you take delivery. From our headquarters in Houston Texas, regional offices in Aberdeen, Scotland and support centers in Brazil, the United Arab Emirates and Singapore, we are in the prime locations to support our customers.

Perry Work-Class ROVs / Deepwater

Since the beginning of the offshore industry, Perry has been providing the vehicles needed to simplify operations on the sea floor. From the Perry MRV, XL and XLS to the XLX and XLR, we continue to lead the industry with the most robust and dependable ROVs and tooling systems in the world. We understand the cost of doing business in remote and hostile environments, and know that managing these costs requires systems of the utmost efficiency and reliability, backed by world-class service and technical support. For nearly half a century, we have solved customers' challenges with design and engineering innovations that have become the industry benchmark for dependability and cost efficiency.

Custom Engineering for your Specific Application

Our customers bring us unique subsea challengs, and we offer innovative solutions custom designed for their specific requirements.

ISO Certified

The ISO certificate is a document stating that the particular product, service or process complies with international standards, as defined by International Organization for Standardization (ISO). With 161 participating countries, ISO is the largest developer and publisher of international standards; the organization has one member per country, and the system is coordinated in Geneva's Central Secretariat. The ISO 9000 is a series of standards that define, establish, and maintain an effective quality assurance system for manufacturing and service industries worldwide.

Work Smart, Work Hard with Perry Work-Class ROVs from Forum.




Category	XLR125 Work-Class	XLR150 Work-Class	XLX150 Heavy Duty Work-Class	XLX200 Heavy Duty Work-Class
Description	125 hp medium Work-Class ROV with the revolutionary ICE™ Integrated controls engine, compact and yet powerful, utilized for rig support, Submarine rescue and Work-Class tooling or survey operations.	150 hp powerful medium Work-Class ROV, the additional hp can be utilized for additional tooling or thruster power, compact size requires a compact footprint providing good access to subsea constructions.	150 hp Heavy-Duty ROV, capable of heavy construction work, yet facilitating the requirement for a extensive fit of survey and tooling equipment.	200 hp Heavy-Duty Work-Class ROV, the additional horse power provides a higher flow capability for tooling supplies yet allows the system to maintain maximum power to the thrusters.
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Depth Rating	Up to 4,500m	Up to 4,000m	Up to 4,000m	Up to 4,000m
Height **Length** **Width**	2,184mm (86 in) 2,626mm (103 in) 1,700mm (67 in)	2,250mm (89 in) 2,626mm (103 in) 1,700mm (67 in)	2,180mm (86 in) 3,550mm (140 in) 1,800mm (71 in)	2,180mm (86 in) 3,550mm (140 in) 1,800mm (71 in)
Through Frame Lift	3,000 kg (6,600 lbs)	3,000 kg (6,600 lbs)	3,000 kg (6,600 lbs)	3,000 kg (6,600 lbs)
Mass In Air	3,000kg (6,614 lbs) to 4,200kg (9,260 lbs)	4,000kg (8,800 lbs)	4,800kg (10,582 lbs) to 5,310kg (11,706 lbs)	5,500kg (12,125 lbs) to 5,850kg (12,897 lbs)
Payload *Optional increased payload*	150kg (335 lbs)	150kg (335 lbs)	250kg (550 lbs) 550kg (1,200 lbs)	250kg (550 lbs) 550kg (1,200 lbs)
Rated Power	95 kW 125 hp	110 kW 150 hp	110 kW 150 hp	150 kW 200 hp
No. of Thrusters/Type	7 Sub-Atlantic	7 Sub-Atlantic	8 Sub-Atlantic	8 Sub-Atlantic
Bollard Pull Forward	950kg (2,095 lbs)	1,200kg (2,645 lbs)	1,200kg (2,645 lbs)	1,200kg (2,645 lbs)
Bollard Pull Lateral	950kg (2,095 lbs)	1,200kg (2,645 lbs)	1,200kg (2,645 lbs)	1,200kg (2,645 lbs)
Bollard Pull Up	950kg (2,095 lbs)	950kg (2,095 lbs)	1,230kg (2,710 lbs)	1,230kg (2,710 lbs)
Aux Hydraulics Pressure	210 bar	210 bar	210 bar	210 bar
Aux Hydraulics Flow	70 lpm	70 lpm	95 lpm	242 lpm
Spare Functions **Main System**	6 x NG3	6 x NG3	7 x NG3 3 x M33 PPRV	7 x NG3 3 x M33 PPRV
Spare Functions **Aux System**	12 x NG3 2 x NG6	12 x NG3 2 x NG6	10 x NG3 2 x NG6	10 x NG3 2 x NG6
Controls System	Perry ICE System	Perry ICE System	Perry ICE System	Perry ICE System

The Anatomy of a Perry Work-Class Vehicle

Designed for the most demanding tasks, Perry Work-Class ROVs are capable of performing the industry's most difficult jobs in some of the harshest environments on earth. Perry Work-Class ROVs are designed and built for rapid mobilization and modularity, which facilitates the use of application specific equipment like tooling and survey instruments. This reliable system provides industry leading performance and power while offering the flexibility to perform a wide variety of deepwater operations that require significant power to lift, position, and install subsea field equipment.

Lights
A wide range of multiple lights is available such as four 250-watt halogen and dimmer controlled, high power LED or HID, depending on your specific needs and work environment.

Cameras
Perry offers a wide range of imaging solutions of cameras on the market for any subsea mission from Standard Definition low light to High Definition and 3D cameras.

Manipulators
The manipulators enhance the reliability and performance of subsea ROVs, and withstand the harshest conditions in the most remote locations on Earth.

1956

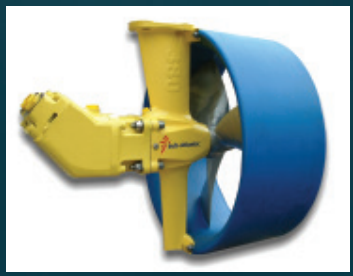
Perry's roots go back to 1956 under the name Perry Submarine Builders. John Perry built the early Perry "Cubmarines", these 1 and 2 man submarines named PC-1, PC-2 and PC-3 which ranged in depth capability from 150 to 600 feet of sea water. Since then, the Company designed and developed numerous submersibles, saturation diving systems, remote controlled unmanned vehicles for commercial markets in the Gulf of Mexico, the North Sea, the South China Sea and Offshore Brazil, as well as military programs for the U.S. Government.

Control Console

The control console is designed to provide the pilot and co-pilot with a high level of readily available system controls. Finger-tip hard and soft controls enhance the ability to carry out operations smoothly. These consoles can be customized to suit specific needs and vessel requirements.

VisualSoft™

VisualSoft is the world leader in offshore digital video inspection systems, providing solutions for digital video capture, playback, processing and reporting of pipeline, structural or other inspection survey data.



Thrusters

Sub-Atlantic Thrusters generate up to 850 kg of bollard thrust. This has given Perry a well-earned reputation for reliability, efficiency and exceptional performance, making them the preferred propulsion for ROVs and cable burial/maintenance vehicles.

ICE Control System™

- Utilizes the revolutionary Integrated Control System (ICE™)
- Fully redundant Windows® based HMI Computers
- Dedicated real-time controllers

Work Skids

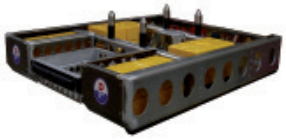
- Survey & Bathymetric suites
- Suction Pile
- Variable Ballast
- Jetting Module
- Tool Interface Module
- Telemetry

A Tool for Every Job

The Flying Lead Orientation Tool (FLOT) tool is designed to operate in conjunction with a torque tool and is used to orientate and guide flying leads into the stab plate connections.

When a subsea problem occurs and underground pressure forces oil or gas into the wellbore, the **Blowout Preventer Actuator Tool** is required to quickly shut down the Blowout Preventer (BOP) Rams, preventing damage to surface modules and the surrounding environment.

The **ISO 13628-8 Torque Tool** (API 17D) Class 6/7 has been specifically developed to address the increasing requirements for a 17Nm Tool.



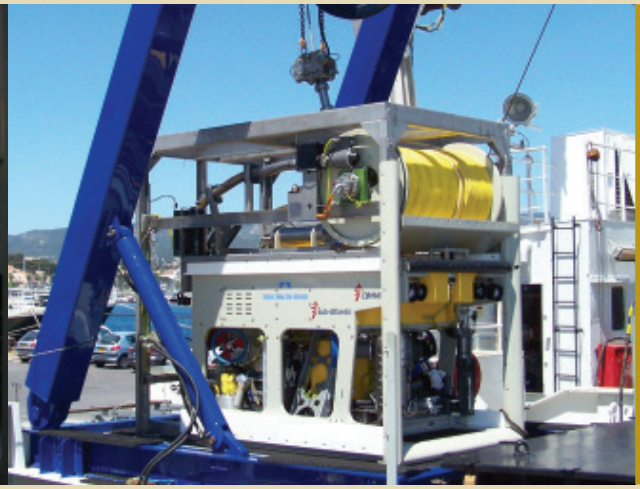
The **Perry Tooling Skid** has been specifically designed to add a tooling drawer to a standard XLR. The drawer is hydraulically operated and is designed to retract while not in use. The skid is fitted with buoyancy to enable it to be neutrally buoyant and contains a mounting for a Digital Video Logger (DVL), which will need to be relocated when fitting the skid.

To learn more about all of our Subsea Tooling visit:
www.f-e-t.com/subseatooling

Through our Sub-Atlantic brand we offer a sophisticated line of observation vehicles such as the Mojave, Mohawk, Mohican, Super Mohawk, Tomahawk and Comanche. All of these ROVs are equipped with the subCAN high speed communications data network system.

Observation-Class ROVs

Our Observation-Class ROVs offer a wide range of new 'intelligent' components, providing the ideal solution for fast and stable integrated missions. The advanced and powerful subCAN control and diagnostics system aids and enhances survey capabilities plus other data collection. Sub-Atlantic Observation-Class ROVs also offer high reliability and adaptability within a small footprint for reduced deck space and low capital and operational costs.



Photos courtesy MMT

Designed and built with the highest levels of technology, expertise and innovation, our products operate in the world's harshest environments and perform a wide variety of underwater tasks. These tasks include observation, survey, Non-Destructive Testing (NDT), inspections and specialized tooling applications. Sub-Atlantic Observation-Class vehicles are recognized for their enhanced full stop capabilities, made possible by a sophisticated control system and powerful thrusters.

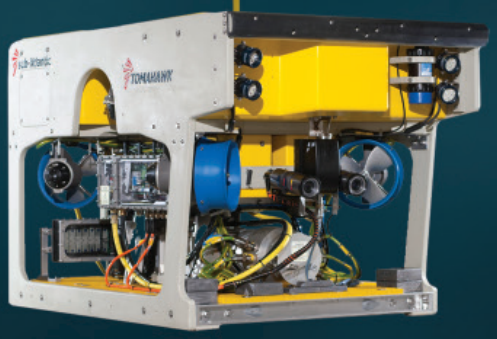
We are also the leading propulsion supplier to Work-Class ROV builders, providing hydraulic thrusters, hydraulic power units (HPU), valve packs, compensators, and pan & tilt camera and sensor units.

From our manufacturing facility in Aberdeen, Scotland, to our support centers in Houston, UAE, Singapore and Brazil we are located in critical locations to support our customers' global operations.

Sub-Atlantic Observation-Class ROVs

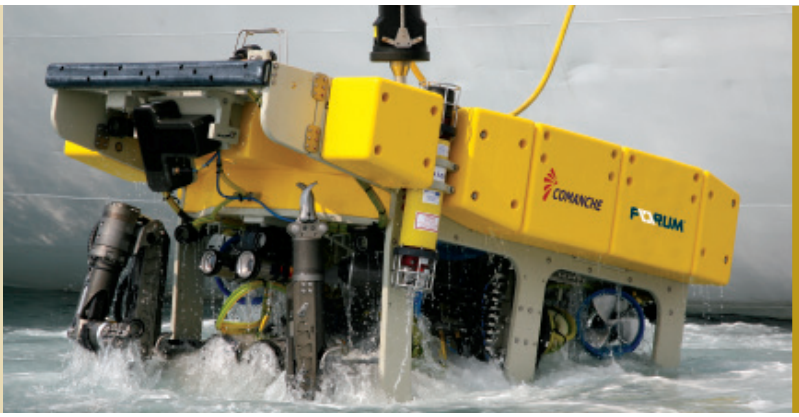
Forum's Sub-Atlantic Brand
Through our Sub-Atlantic brand we offer a sophisticated line of observation vehicles such as the Mojave, Mohawk, Mohican, Super Mohawk, Tomahawk and Comanche. All of these ROVs are equipped with the subCAN high speed communications data network system.

We are also the leading propulsion supplier to Work-Class ROV builders, providing hydraulic thrusters, hydraulic power units (HPU), valve packs, compensators, and pan & tilt camera and sensor units.



Work Smart, Work Hard with Sub-Atlantic Observation-Class ROVs from Forum.

Category	Mojave Portable/Inspection	Mohawk Inspection
Description	The perfect observation choice when high thrust, low costs and easy deployment are required.	The perfect inspection and light IRM or light survey system in a small and easily deployed package.
Electric	Electric	Electric
Rated Power	4.4 kW 6 hp	7 kW 9 hp
Depth Rating Sea Water	300m≈1,000 ft	1,000m≈3,300 ft
Maximum Payload **Height** **Length** **Width** (mm/in)	12kg (26 lb) 500mm (19.8 in) 1,000mm (39.4 in) 600mm (23.6 in)	35kg (77 lb) 630mm (24.8 in) 980mm (38.6 in) 770mm (30.3 in)
Mass In Air (Including Payload)	85kg 187.4 lb	165kg 364 lb
No. of Thrusters **Type**	5x SPE 75	5x CTE-01
Thruster Configuration	4 x Vectored 1 x Vertical	4 x Vectored 1 x Vertical
Electric Requirements	3.0 - 4.8 kW 80 - 264 Vac	8kVA 440 Vac 3 - Phase + Neutral

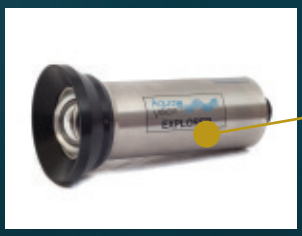


Mohican Inspection	**Super Mohawk** Inspection/Light Work	**Tomahawk** Survey/Light Work	**Comanche** Work/Survey
High thrust and compact design, Mohican is perfect for inspection/IRM and light survey missions in shallow or deep waters.	Stability, payload capacity and tooling capability, the industry standard workhorse.	High speed, high payload and ground breaking technology, the first choice for IRM and comprehensive survey missions in shallow or deep waters.	The perfect choice for advanced IRM/Survey and construction/ drill support tasks in shallow or deep waters.
Electric	Electric	Electric	Electric
13 kW 17 hp	13 kW 17 hp	35 kW 47 hp	35 kW 47 hp
2,000m≈6,500 ft 3,000m≈10,00 ft	2,000m≈6,500 ft 3,000m≈10,00 ft	2,000m≈6,500 ft 3,000m≈10,00 ft	2,000m≈6,500 ft 3,000m≈10,00 ft 6,000m≈20,00 ft
35kg (77 lb) 790mm (31.1 in) 1,100mm (43.3 in) 800mm (31.5 in)	85kg (187 lb) 850mm (33.5 in) 1,400mm (55.1 in) 900mm (35.4 in)	175kg (385 lb) 1,200mm (47.2 in) 1,860mm (73.2 in) 1,210mm (47.62 in)	285kg (727 lb) 1,250mm (49.2 in) 2,100mm (82.7 in) 1,300mm (51.2 in)
230kg 507 lb	290kg 639 lb	1075kg 2365 lb (Bare ROV with 185 kg Ballast)	1130kg 2490 lb (Bare ROV with 185 kg Ballast)
6x SPE 180	6x CTE-02	6x SPE 250	7x SPE 250
4 x Vectored 2 x Vertical	4 x Vectored 2 x Vertical	4 x Vectored 2 x Vertical	4 x Vectored 3 x Vertical
15kVA 440 Vac 3 - Phase + Neutral 50/60Hz	15kVA 440 Vac 3 - Phase + Neutral 50/60Hz	35kVA 440 Vac 3 - Phase + Neutral 50/60Hz	35kVA 440 Vac 3 - Phase + Neutral 50/60Hz 50/60Hz

The Anatomy of a Sub-Atlantic Observation-Class Vehicle

Sub-Atlantic's Mojave, Mohawk Mohican, Super Mohawk, Tomahawk, and Comanche Electric ROV Systems continue to lead the industry as the most robust and dependable ROVs and Tooling Systems in their class.

Lights
A wide range of lights on dimming circuits are available, depending on your specific needs and work environment.



Cameras
Sub-Atlantic offers a wide range of imaging solutions of cameras on the market for any subsea mission from Standard Definition low light to High Definition and 3D cameras.

Manipulators
Manipulators enhance the capability and performance of subsea ROVs, withstanding the harshest conditions in the most remote locations on earth.

Work Skids
Our line of Sub-Atlantic skids can be used to enhance the operational capability of any ROV system from inspection to Work-Class. A selection of skids is available for our ROV systems in different formats.

VisualSoft™

VisualSoft is the world leader in offshore digital video inspection systems, providing solutions for digital video capture, playback, processing and reporting of pipeline, structural or other inspection survey data.

subCAN™

Our subCAN system layout is both simple to use and intuitive. The pilot controller locates all ROV controls and switches close at hand. The touch screen interface shows the system status, alarms and diagnostics at a glance. Additional controls and set-ups are quick and easy to implement via the same touch screen.

Thrusters

Our line of Sub-Atlantic electric thrusters has become the preferred propulsion for ROV vehicles. Working in a highly aggressive environment, they have earned a reputation for reliability, efficiency and exceptional performance.

VMAX™

The VMAXControl Console is a single USB plug-and-play external interface designed to provide a wider range of control for VMAX Project Simulator Scenario Pilots/ Engineers to test, train, validate and record their missions/scenarios.

A Tool for Every Job

A wide range of **skid configurations** can be supplied with our ROV systems depending on the specific job and specifications required.

A variety of **anvil**, **disc** and **softline cutters** can be integrated with our ROVs.

Combining Forum's world renowned Jetting System and Dredge pump unit into a single manipulator-held nozzle assembly produces the **Excavation System**, which provides sufficient power to break large solids and excavate any solid up to three inches in diameter.

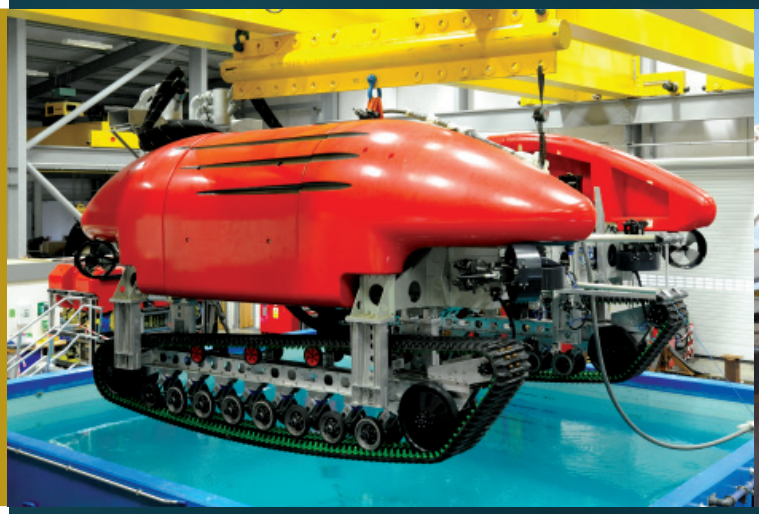
The **ISO 13628-8 Torque Tool**, Fig 18 (API 17D) Class 1 – 4 has integral torque and turns counting sensors for closed loop control.

To learn more about all of our Subsea Tooling visit:
www.f-e-t.com/subseatooling

Perry ROV Trenchers

The World's Leader in "Best of Class" Trenching and Cable Maintenance Technology.
From the Perry XT300 to the powerful Perry XT1500, these best-in-class vehicles have buried much of the existing subsea cable and pipeline that exists around the world today.

Long recognized as the industry benchmark for design, reliability and effectiveness, this line of trenchers continues to meet today's needs and tomorrow's evolving requirements. Perry XT range trenchers are designed for specific and demanding applications, providing solutions even in the world's harshest environments.



The Perry XT300 series continues as the market leader for cable maintenance vehicles. Compact in size, the XT300 is ideally suited to accommodate typically smaller vessels utilized by cable maintenance markets.

The Perry XT750, XT1200 and XT1500 vehicles are designed to meet the demanding trenching requirements of both strong soils and deep flow-line burial protection over long stretches. Capable of operating in free-fly, skid-based trenching and survey modes, these vehicles represent extremely capable, high-performance product burial solutions.

Have One Custom Engineered for your Specific Application
Our customers provide us with specific and challenging requirments and we offer fit-for-purpose solutions for their trenching requirements.

Work Smart, Work Hard with ROV Trenchers from Forum

Category	XT300 Trencher	XT600 Trencher	XT750 Trencher	XT1500 Trencher
Description	Based on the highly successful ST200, the XT300 being lightweight and compact provides an ideal solution for general cable burial and maintenance. Powered by two 150 hp motors the vehicle can bury cables up to 400mm in diameter.	The XT600 offers twice the performance of the XT300 while packaged in a lightweight and compact frame. Powered by two 300 hp motors the vehicle can bury cables up to 400mm in diameter.	The XT750 has proven itself in the industry as a leader in its field, delivering high performance using a unique tool deployment system. Three 250 hp motors provide power, two of which are powered by variable speed drives to maximise pump control and performance.	Based on the XT1200, the XT1500 is a high performance jet trencher capable of burying products of up to 1.2m in diameter. The vehicle can be fitted with an array of tooling which include pre-cutting jets, dredging and depth detection.
Hydraulic/Electrical	Hydraulic	Hydraulic	Hydraulic/Electrical	Hydraulic/Electrical
Rated Power	220 kW 300 hp	440 kW 600 hp	550 kW 750 hp	1,100 kW 1,500 hp
Depth Rating	Up To 3,000 MSW 10,000 FSW	Up To 3,000 MSW 10,000 FSW	Up To 3,000 MSW 10,000 FSW	Up To 1,500 MSW 5,000 FSW
Height **Length** **Width** (mm/in)	2,500mm (98 in) 4,025mm (158 in) 3,520mm (138 in)	3,100mm (122 in) 4,900mm (193 in) 3,600mm (142 in)	3,100mm (122 in) 8,750mm (345 in) 5,200mm (205 in)	3,860mm (152 in) 9,400mm (370 in) 6,100mm (240 in)
Mass In Air	9,500kg	16,500kg	24,000kg	30,000kg
No. of Thrusters **Type**	8 Sub-Atlantic	8 Perry	8 Perry	8 Perry
Bollard Forward Pull	1,100kg	2,000kg	2,000kg	2,000kg
Bollard Lateral Pull	1,100kg	2,000kg	2,000kg	2,000kg
Bollard Pull Up	900kg	3,000g	3,000kg	3,000kg
Control System	Perry ICE System	Perry ICE System	Perry ICE System	Perry ICE System

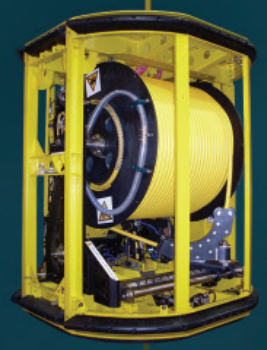
Forum's Tether Management Systems

Forum's market driven research & development continues to provide systems that have a reputation for extreme reliability and consistent performance in deepwater environments. Our Tether Management Systems (TMS) are unique, simple, and efficient and have become the industry benchmark for reliability. The Perry Tether Management Systems use the latest tether path geometry allowing for higher capacity and reliability, tether load sensing and proportional speed control and are suitable for all Work-Class ROVs.

TMS Model	TMS 1	TMS 2	TMS 3	TMS 4	Type IV
Category	Observation ROV	Observation ROV	Observation ROV Light Work	Coming Soon for Tomahawk	Work-Class ROV TMS
Depth Rating	2,000 MSW	3,000 MSW	3,000 MSW	TBD TBD	4,000 MSW 13,000 FSW
Safe Working Load	2,000kg	2,000kg	3,500kg	TBD	11,000kg
Through Frame Load	500kg	750kg	2,000kg	TBD	8,000kg
Weight in Air	540kg (Excluding Tether)	890kg (Excluding Tether)	1,425kg (Excluding Tether)	TBD	1,950kg (Excluding Tether)
Tether Capacity	385m of ø 16.5mm	200m of ø 25mm	300m of ø 30mm 750m of ø 21mm	TBD TBD	27mm 750m 35mm 440m
Haul In Speed	32m/min	35m/min	35m/min	TBD	34m/min MAX
Height	TMS: Max 2,031mm Min 1,631mm Opening: Max 1,040mm Min 6,40mm	TMS: Max 2,403mm Min 1,923mm Opening: Max 1,330mm Min 850mm	TMS: Max 3,034mm Min 2,554mm Opening: Max 1,824mm Min 1,334mm	TBD	2,026mm
Diameter	n/a	n/a	n/a	TBD	1,800mm
Length	TMS:1,590mm Opening: 1,051mm	TMS: 1,966mm Opening: 1,428mm	TMS: 2,830mm Opening: 2,304mm	TBD TBD	n/a
Width	TMS:1,074mm Opening: 810mm	TMS:1,288mm Opening: 936mm	TMS:1,664mm Opening: 1,320mm	TBD TBD	n/a
Thrusters	n/a	n/a	n/a	TBD	n/a
Optional Tool Extention	n/a	n/a	n/a	TBD	n/a
To Suit ROV	Mohican Mohawk	Mohican Super Mohawk	Comanche	TBD	As Required Work-Class




Type V	Type VI	Garage Type A	Garage Type B
Work-Class ROV TMS	Work-Class ROV TMS	Flying Garage For Work-Class ROV	Flying Garage For Work-Class ROV
4,000 MSW 13,000 FSW	4,000 MSW 13,000 FSW	4,000 MSW 13,000 FSW	4,000 MSW 13,000 FSW
12,500kg	13,500kg	15,000kg	12,600kg
9,000kg	9,000kg	8,000kg	5,000kg
2,300kg (Excluding Tether)	3,000kg (Excluding Tether)	5,500kg (Excluding Tether)	6,125kg
27mm 1,150m 35mm 760m	27mm 1,500m 35mm 1150m	27mm 1,150m 35mm 760m	27mm 1,150m 35mm 760m
40m/min MAX	45m/min MAX	54m/min MAX	40m/min MAX
2,215mm	2,305mm	4,800mm	4,125mm
2,025mm	2,305mm	n/a	n/a
n/a	n/a	4,930mm	4,309mm
n/a	n/a	2,930mm	2,516mm
n/a	n/a	4x Sub-Atlantic SA380-40	4x Sub-Atlantic SA380-40
n/a	n/a	Yes	No
As Required Work-Class	As Required Work-Class	To Suit XLX	To Suit XLX



Reduce ROV Downtime with Tether Management Systems

The Tether Management System stores and deploys the ROV tether cable so the ROV is decoupled from the surface vessel's motion and is able to operate at a larger radius. Forum offers both top-hat and garage-type systems, including types fitted with thruster systems for even greater operating radius.

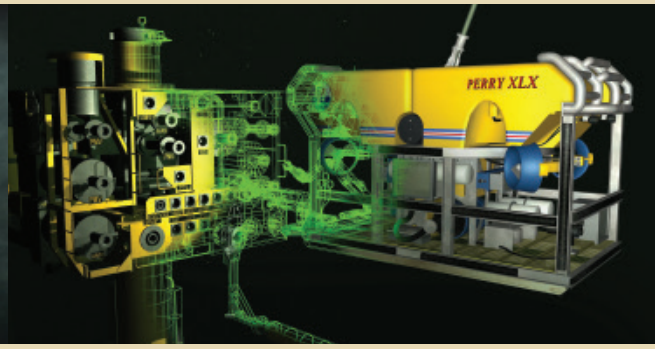
A large proportion of recorded ROV downtime is attributed to TMS failures. When you talk to our TMS users, the one thing they will confirm is that our systems are extremely reliable.

VMAX™

The World's Most Comprehensive Range of Deepwater Mission Simulations

The cornerstone technology of the VMAX brand is the VMAX Project Simulator™ software, which was developed by our software engineers to create accurate simulations in a subsea environment.

We set the standard with extremely realistic visuals for lighting coupled with highly accurate physics simulation that can have a dramatic impact on mission execution. VMAX Editor™ provides the option for clients to develop missions in-house as part of their engineering efforts, greatly reducing costly engineering change orders and improving operating margins.



The Project Simulator allows accurate simulation for any ROV equipment in a subsea environment. VMAX has been used successfully for many years by operators, service companies and engineering firms to run simulations of complex situations in a subsea environment. It has been especially useful in situations where expensive assets were deployed or spread rates were substantial. In deepwater, where Remote Operated Vehicles are used to perform complicated tasks, VMAX Project Simulator and its robust application solutions, increase the probability of success.

VMAX Control™

The VMAXControl Console is a single USB plug-and-play external interface designed to provide a wider range of control for VMAX Project Simulator Scenario Pilots/Engineers to test, train, validate and record their missions/scenarios.

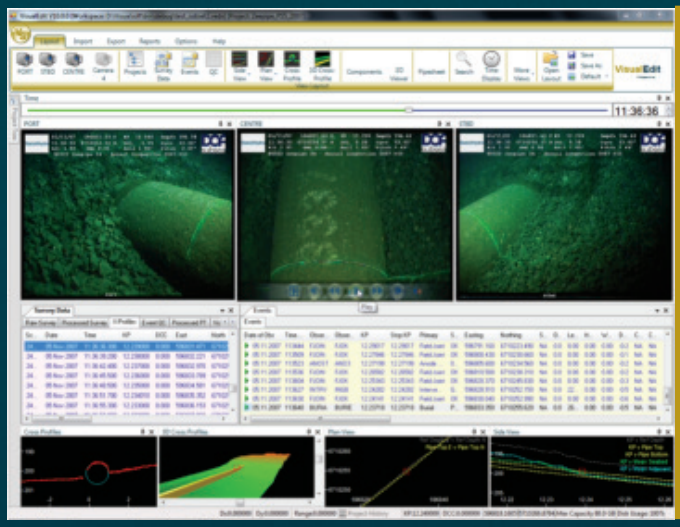
VisualSoft™

Subsea Video and Data Acquisition from Forum

ROVs used for survey, inspection or intervention are equipped with multiple cameras to allow the subsea site, structure or operation to be viewed by the team of engineers, surveyors and client representatives on the surface. Recordings of the activity must then be provided to the client as a record of project completion or information for decision making. Since these recordings are often considered the project deliverable, it is essential that they are of the highest possible quality.

VisualSoft led the introduction of Digital Video into the subsea environment and today are a world renowned provider of Digital Video and Data Acquisition Systems for the offshore construction and IRM industry. As part of Forum Subsea Technologies, VisualSoft's DVR systems are offered with every ROV spread. VisualDVR can be configured to suit a diverse range of underwater activities from diver and small ROV inspections to multi-camera pipeline inspection. Key features include:

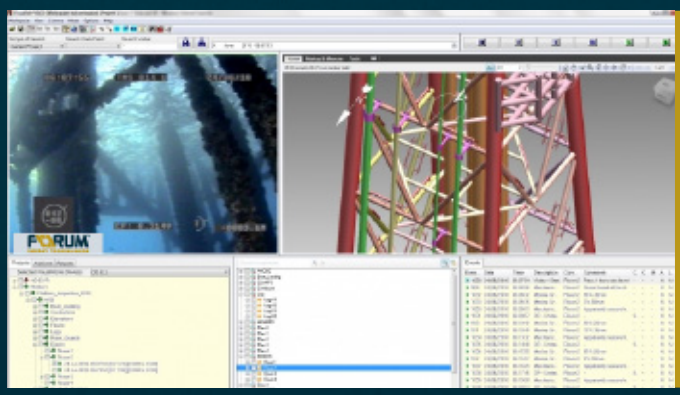
- 1, 2 or 4 Channel Systems each with built in Video Overlay and Audio Recording
- All video channels can be time synchronised along with survey data.
- WMV, Mpeg2 or H.264 Video Formats available
- Online Eventing Tablet included
- Robust, 19" rack mount chassis
- Configurable copy and backup options



Included with VisualDVR is Visual3D-Inspector, a product designed to simplify structure inspection planning, operation and review by allowing video transport to be operated following a 3D drawing of the structure.

VisualDVR belongs to the VisualSoft Suite, a modular collection of applications designed to aide recording, editing, archiving, reviewing and reporting of digital video inspection data using a common user interface. Also available within that suite are the following VisualSoft Products.

- VisualDataLogger - for survey sensor logging – MBE/Profilers, Position, Motion, CP etc.
- VisualArchive for data management and backups
- VisualEdit video and data viewer with import, export and reporting
- VisualEdit Eventing video and data viewer with event editing
- VisualEdit Professional video and data viewer with event editing and full data processing
- VisualReview free video and data viewer
- VisualReview Professional video and data viewer with extra features and optional support
- VisualGIS add on to ESRI ArcGIS, linking to key VisualWorks functions and viewers



At VisualSoft, our team of software developers continuously strives – to provide the most innovative, robust and user-oriented products which are valued worldwide by our diverse and esteemed spectrum of customers.

FARUM™

SUBSEA TECHNOLOGIES

For a complete list of all of our locations please visit:
www.f-e-t.com/contact-us/

1001/0912 3M