



Smart Grapple

The Smart Grapple is a thruster-driven, fiber optically controlled grapple used for marine salvage work, capable of picking payloads up to 1500lbs.



The Smart Grapple is suspended by a heavy lifting line which also controls its vertical motion. The lateral motion is provided by four vector configured thrusters. It has high intensity, dimmable LED lighting, a pan/orbit/zoom camera as well as a tooling camera integrated into the jaws.

A range of attachments is available including scoops and serrated jaws. Specific tools can also be fabricated for unique tasks.

- Configurable video overlay display showing such parameters as heading, depth, temperature, time and date, penetration distance pipeline number and station number
- Friction-driven wheel line counter on umbilical

Depth Rating:	500ft/152m
Dimensions:	72"/1830mm height
	18"/460mm width
Max Payload:	1500lbs/680kgs
Lighting:	4 x 70W high intensity LED lamps
Thrust:	4 x Tecnadyne Model 300 brushless DC motors
Cameras:	1 x pan/orbit/zoom color camera (capable of 360° orbit) 1 x 768 Line/0.5 Lux tooling camera
Other Sensors:	Heading, Pitch and Roll, Depth

SeaView Systems, Inc. designs, manufactures and operates remotely operated vehicles, electronics and other custom hardware/software tools, including oceanographic instruments, custom remotely operated vehicles and tooling systems, to meet oceanographic and underwater robotic applications.

For more details or supplemental media, please email SeaView Systems at info@seaviewsystems.com.