

VideoRay Pro 4 Rotating Manipulator Arm

The VideoRay Rotating Manipulator Arm is one of the most valuable accessories in the VideoRay toolbox. With full 360° head rotation and five interchangeable jaws, its uses are unlimited - anything from untangling tether snags to collecting samples to recovering objects up to 45 kg (100 lb).

The Rotating Manipulator Arm lifts objects underwater by using the tether of the ROV. From the hand controller or control panel, you can retrieve items in confined or hazardous locations. The VideoRay ROV's camera can be tilted down to focus in on the jaw to provide a close view of the operation. When not needed, the Rotating Manipulator Arm can be easily removed in seconds.

The Rotating Manipulator Arm features five interchangeable jaws – parallel jaw, V-jaw, sampler jaw, trident jaw, and cutter jaw. The jaws can be switched within minutes, saving valuable operation time.

The Rotating Manipulator Arm is delivered with a mounting kit that will attach to standard Pro 4 ballast skids and all 5 interchangeable heads. It can be used in conjunction with most other VideoRay attachments.



VideoRay Pro 4 ROV equipped with Rotating Manipulator Arm (shown with Parallel Jaw)

BASIC SPECIFICATIONS

Depth Rating: 305 m (1,000 ft)
Breaking Strength: 45 kg (100 lb)
Head Rotation: 360°

See back for additional specifications



Parallel Jaw



V-Jaw



Sampler Jaw



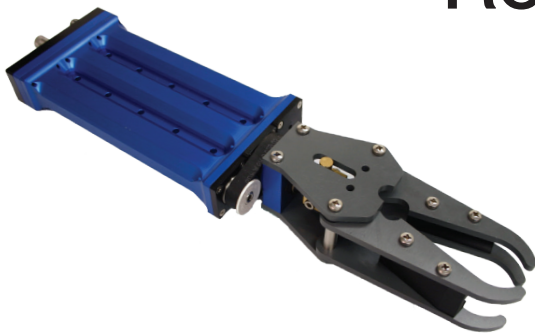
Trident Jaw



Cutter Jaw

Rotating Manipulator Arm

Technical Specifications



Parallel



V-Jaw



Sampler



Trident



Cutter

	Parallel	V-Jaw	Sampler	Trident	Cutter
Depth Rating	305 m (1,000 ft)	305 m (1,000 ft)	305 m (1,000 ft)	305 m (1,000 ft)	305 m (1,000 ft)
Head Rotation	360° / 12 RPM	360° / 12 RPM	360° / 12 RPM	360° / 12 RPM	360° / 12 RPM
Size (w/ mount)	47 x 10.2 x 5.0 cm (18.5 x 4.0 x 2.0 in)	47 x 10.2 x 5.0 cm (18.5 x 4.0 x 2.0 in)	47 x 10.2 x 5.0 cm (18.5 x 4.0 x 2.0 in)	47 x 10.2 x 5.0 cm (18.5 x 4.0 x 2.0 in)	47 x 10.2 x 5.0 cm (18.5 x 4.0 x 2.0 in)
Weight in Air	2.4 kg (5.25 lbs)	2.4 kg (5.25 lbs)	2.4 kg (5.25 lbs)	2.4 kg (5.25 lbs)	2.4 kg (5.25 lbs)
- w/ Submersible	7.3 kg (16 lbs)	7.3 kg (16 lbs)	7.3 kg (16 lbs)	7.3 kg (16 lbs)	7.3 kg (16 lbs)
Weight in Water - w/ Submersible	.97 kg (2.1 lbs) 0 kg (0 lbs)	.97 kg (2.1 lbs) 0 kg (0 lbs)	.97 kg (2.1 lbs) 0 kg (0 lbs)	.97 kg (2.1 lbs) 0 kg (0 lbs)	.97 kg (2.1 lbs) 0 kg (0 lbs)
Breaking Strength	45 kg (100 lbs)	45 kg (100 lbs)	45 kg (100 lbs)	45 kg (100 lbs)	45 kg (100 lbs)
Maximum Opening	5.7 cm (2.25 in)	17.5 cm (6.875 in)	16.5 cm (6.5 in)	15.2 cm (6 in)	2.3 cm (.91 in)
Closing Force	25 PSI	22 PSI	10 PSI	18 PSI	30+ PSI
Max. Sample Size	N/A	N/A	45 mL (1.5 oz)	N/A	N/A
Max. Cut Diameter	N/A	N/A	N/A	N/A	1.9 cm (.75 in)

www.videoray.com

212 East High Street, Pottstown, PA 19464
+1 610 458 3000 sales@videoray.com