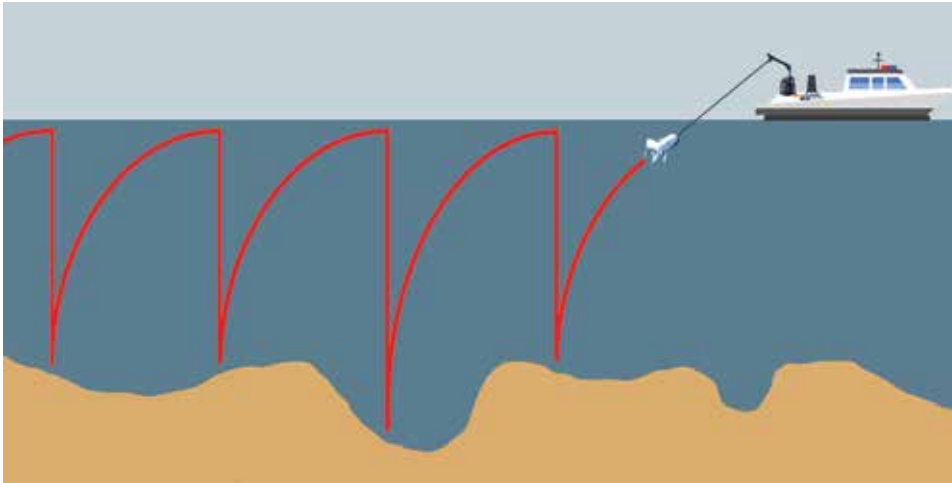


Achieve Maximum Efficiency with MVP



By enabling high speed, deep water underway profiling, the Moving Vessel Profiler economizes survey operations while enhancing performance.

Increased Convenience, Reduced Cost

Decreased vessel time: Profiles are conducted while the ship is underway, reducing survey duration by hours.

Increased line spacing: Frequent, valid sound velocity profiles eliminate the risk of data loss in the outer beams, enabling survey of a wider area.

Reduced post-processing: Improved accuracy associated with real-time, automated data collection erases the need for examination of every scan.

Heightened productivity: Without personnel required on deck during operations, surveys can be conducted beyond standard work hours and in inclement weather.

Small footprint: A narrow plane of operation allows the MVP tow body to be safely deployed and operated simultaneously with other deployed equipment.

Improved Quality

Greater accuracy: Real-time knowledge of sound velocity, as a function of depth, efficiently facilitates the removal of discontinuities in multibeam and seismic data caused by sound velocity variations in the water column.

Full water column data: Set real-time MVP to terminate profiles based on one of three deployment criteria (maximum tow body depth, distance above seafloor, and maximum cable out) to optimize water column data coverage from each profile and auto-recover the tow body to its original towed position.



Small Vessels, Shallow Water

- | | |
|---|---|
| MVP30 | MVP30-350 |
| <ul style="list-style-type: none"> Electrically-powered Profiles to 30m at 12 knots 125m cable | <ul style="list-style-type: none"> Electrically-powered Profiles to 30m at 12 knots 350m cable |

Large Vessels, Deep Water

- | | |
|---|---|
| MVP200 | MVP300 |
| <ul style="list-style-type: none"> Hydraulically-powered Profiles to 200m at 12 knots 600m cable | <ul style="list-style-type: none"> Hydraulically-powered Profiles to 300m at 12 knots 3,400m cable |

Profilers

- | | |
|--|---|
| MVP•X SVPT | MVP•X CTD |
| <ul style="list-style-type: none"> Real-time SVPT data Titanium housing Field-swappable sensors | <ul style="list-style-type: none"> Real-time CTD data Titanium housing Field-swappable sensors |



	MVP30		MVP30-350		MVP200		MVP300	
Speed (knots)	Depth Obtained (m)	Cycle Time (min.)	Depth Obtained (m)	Cycle Time (min.)	Depth Obtained (m)	Cycle Time (min.)	Depth Obtained (m)	Cycle Time (min.)
0	125	2.6	350	8.5	600	12.9	3400	70
1	105	2.5	280	7.8	520	9.9	2683	61
2	90	2.3	245	7.5	457	8.4	2200	57
3	80	2.2	228	7.3	406	7.4	1900	55
4	73	2.1	200	7.0	368	6.9	1650	53
5	66	2.1	175	6.7	335	6.5	1450	50
6	60	2.0	155	6.4	310	6.4	1250	46
7	56	1.9	140	5.8	285	6.0	950	37
8	51	1.8	121	5.1	265	5.9	740	29
9	47	1.7	90	4.2	250	5.8	580	23
10	42	1.7	70	3.3	235	5.8	460	19
11	35	1.6	55	2.5	223	5.7	370	16
12	30	1.6	30	2.2	200	5.6	300	13
Dimensions w/o boom (m)	0.7 x 0.3		0.8 x 0.3		1.3 x 0.7		2.0 x 2.0	
Weight (kg)	120		140		760		1800	
Power (hp)	1.5		1.5		15		25	

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