

SEA MINE DEPLOYMENT

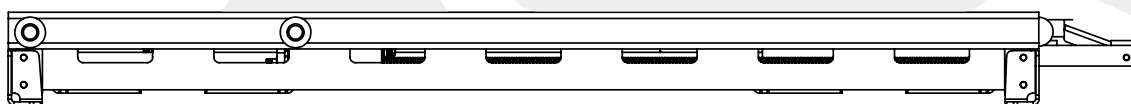
Fully automatic deployment system for USVs,
Naval and Coast Guard platforms



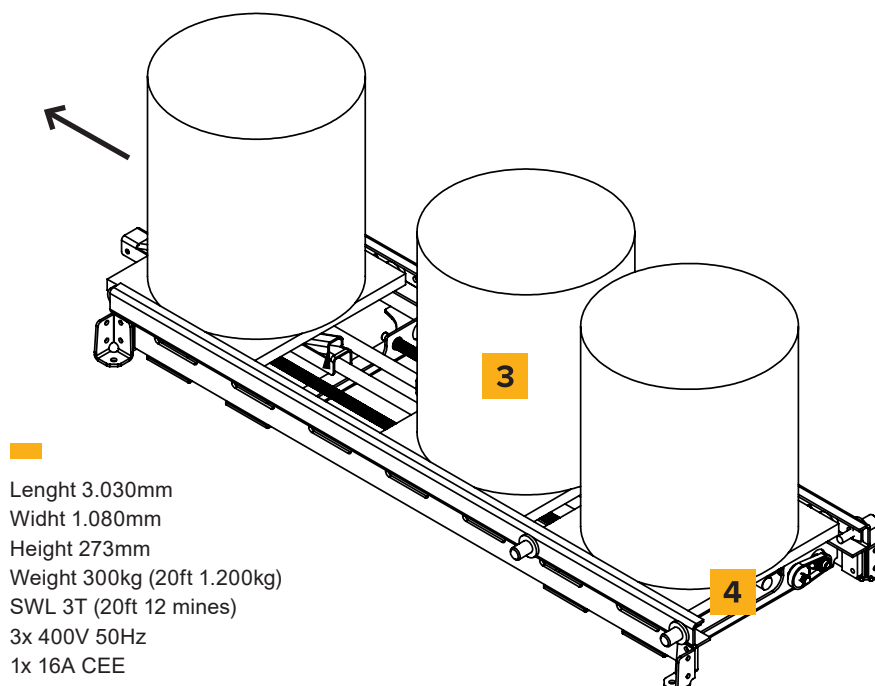
Complete system with mechanical handling
and Sea Mine Planning Software

Deploy any type of Sea mine from a USVs or large surface combatants, Coast Guard, Home Guard or Auxiliary vessels. The Automatic Deployment System from JA Solutions will fit any 10ft, 20ft or 40ft container rack or be installed directly on the deck structure or removeable unit.

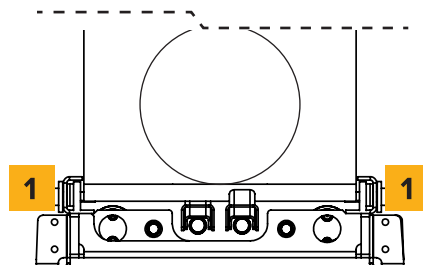
Designed for fully automated operation, the system requires no human intervention during deployment and executes mine-laying missions based on pre-programmed mine planning software.



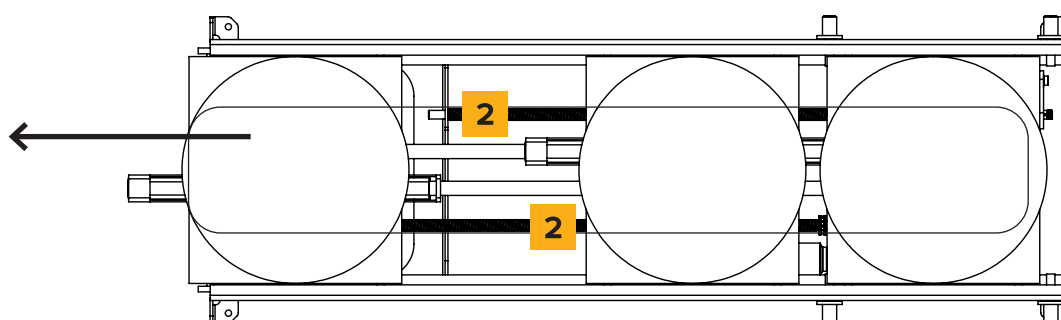
The Automatic Deployment System is designed with flexibility, simplicity, and easy installation across a wide range of platforms in mind. A mine laying system does not have to be heavy or complicated in its construction but, if designed correctly, be flexible, robust and, most importantly, lightweight and with low maintenance in mind.



The Automatic Deployment System consists of a frame with two rails shaped like a U-profile **1** and two spindles with a motor each **2**. The payload **3** is placed on a tray **4** that goes together with the U-profile and is driven forward by the spindle with motor. Depending on the payload and operational requirements, deployment of the payload is set at the desired speed and number.



The software and the commands given will determine the speed, stop and start of following payloads. The software will also be connected to the ship's navigation system for precise deployment of payloads.



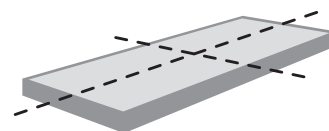
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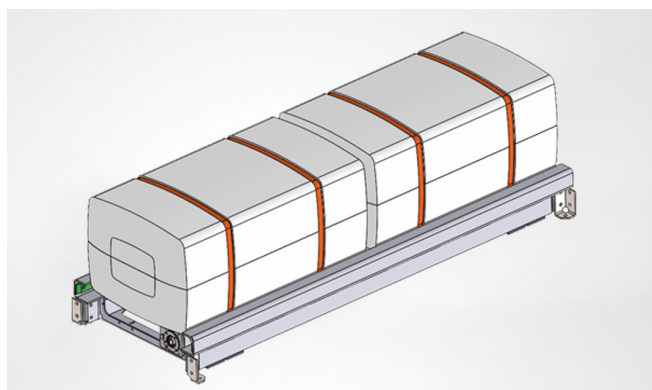
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The Automatic Deployment System is modular so one Frame Set has an approx. weight of 300kg, length of 3m and a width of 1m. This means that there can be 2 Frame Sets on a 10ft container rack and 4 Frame Sets on a 20ft container rack. Enough space to handle mines, drones, sensor packs or life rafts. A Frame Set can be attached to the platform structure if weight is more important than flexibility.



Sea mines of different sizes and shapes will fit the Frame set. SWL approx. 3T pr. Frame set.



A Frame set with different payloads. The number of payloads carried depends on the size and capacity of the USV, with a standard configuration accommodating 2–3 life payloads per rail section.