The MESHA® installation handler can be retrofitted to any development jumbo or bolting machine. For a fully mechanized installation of Geobrugg MINAX® mesh in one working process.
The MESHA® installation handler is a mechanized unrolling device designed to install high-tensile MINAX® meshes. The mesh itself is delivered in rolls which are mechanically handled into position for installation. This system requires minimum manual handling for installation of mesh to underground backs and walls.

**MESHA® can be retrofitted to any multi-boom underground jumbo or roof bolting drill rig.** With a quick release system, the jumbo can be transformed from a development rig to a full scale ground support rig within a matter of minutes.

Using the MESHA® installation handler system, mesh can be installed **up to 40% faster** than the standard practice of sheet meshing in the underground environment. Furthermore miners are not exposed to the unsupported area during the installation.

Surface supported with MINAX® 80/4 mesh: One single wire has a tensile strength of **more than 1770 N/mm²** limiting deformations and keeping the mesh highly pre-tensioned.

**MESHA® installation handler provides the following features:**

- **Simple construction**
  Easy to use with any jumbo or bolter: The MESHA® is installed with common tools. It is able to work with drills installed parallel on one boom without any mobilization costs and can remain onboard.

- **Mechanized unrolling**
  No laborers working in the endangered zone: The mechanized unrolling* of MINAX® meshes allows perfectly controlled, fully safe installation and tensioning of the mesh on the rock surface.

- **Proven reliability**
  Reliability and durability: The functioning of the MESHA® system has been proven through practical operations all around the world.

- **Low weight**
  Continuous operation possible: Thanks to low weight more mesh can be loaded at once, longer operation is possible and less manual work is required.

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* Possible mesh roll widths depend on local mining conditions and machinery. The MESHA® use shall be based on surveying done by Geobrugg specialists.