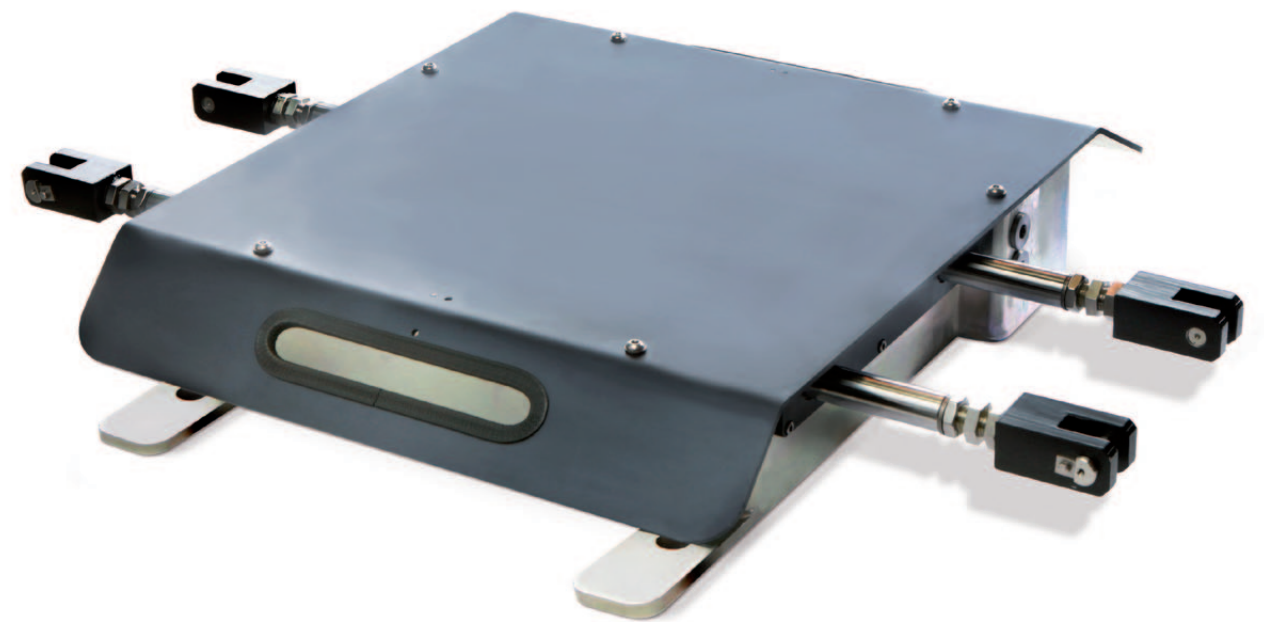


Our references include:

France: Paris - RATP (Metro)



Test turnout, Reichshoffen



Easydrive-i Electro-hydraulic point machine

"The in-track point machine in its most compact form..."

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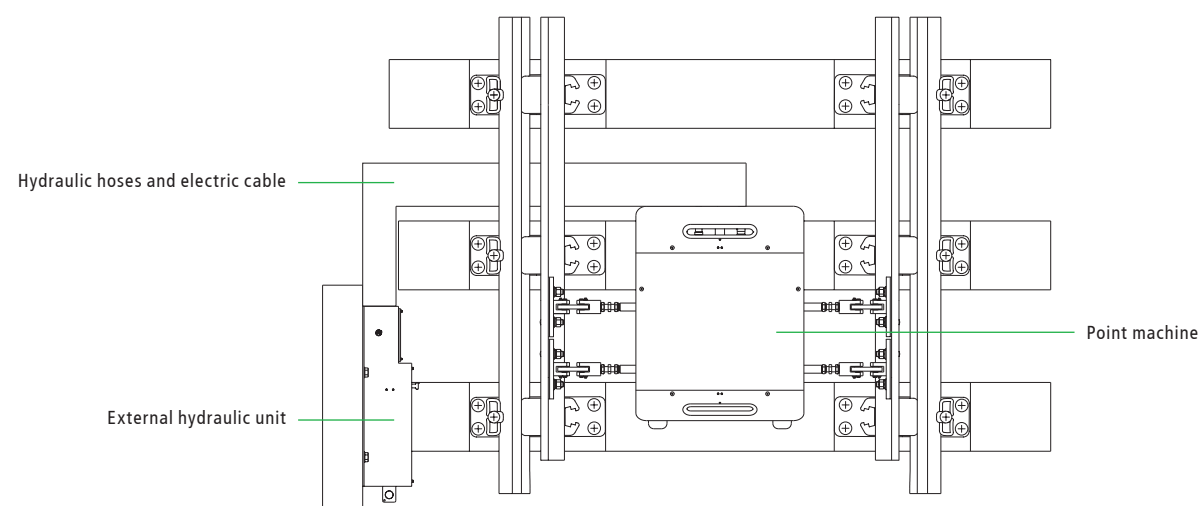


'Light and compact, the Easydrive-i point machine fits in small spaces while perfectly ensuring the safe position of the switch.'

First of its kind at Vossloh, the Easydrive-i point machine opens a new way to fit in-track applications.

This electro-hydraulic point machine aims at safely maneuvering and securing the turnout switch blades, while being directly installed between the rails on standard concrete or wooden bearers as well as slab track.

The point machine has an internal clamping but it can be accidentally trailed* without any damage. Moreover, there is no need for any specific area besides the track, since its unique mounting configuration enables the Easydrive-i to be installed in very narrow spaces (Metro, tunnel). Finally, its particular design allows for a very low maintenance and a high level of reliability and safety (SIL4).



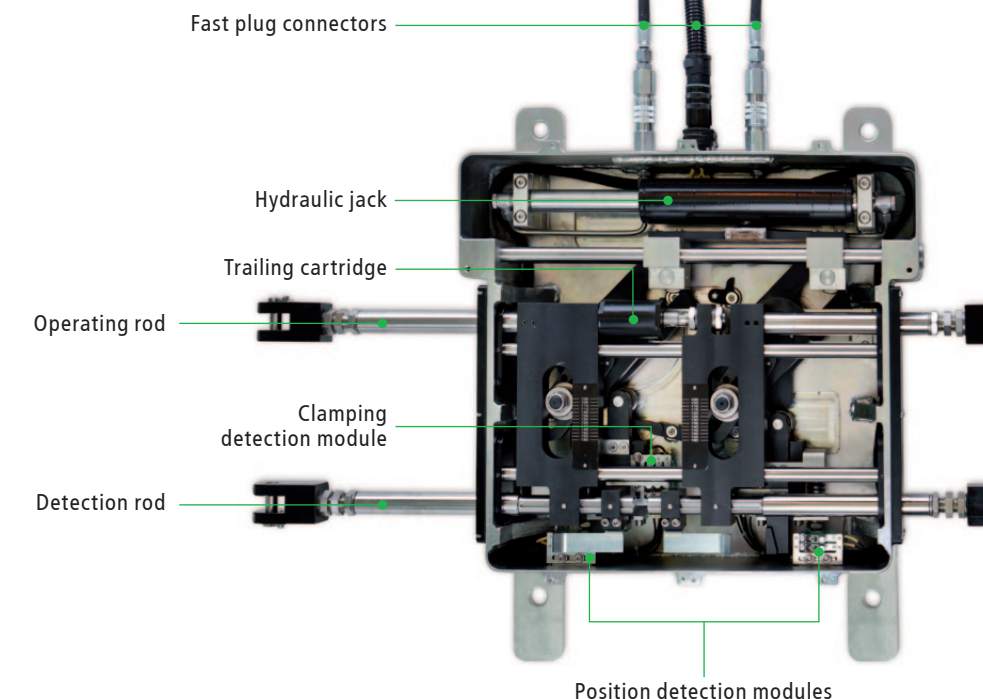
With its external hydraulic unit, the maintenance staff can work safely outside the track while operating manually the point machine. It can be wall mounted or placed horizontally under service dock.

* A non-trailable version is also proposed.

Easydrive-i description

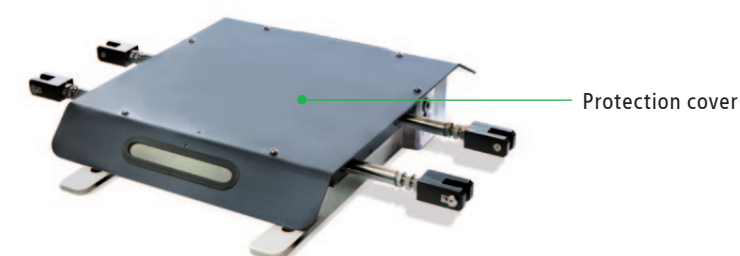
Easydrive-i point machine is made up of various components:

- A hydraulic jack
- Two operating rods
- Two detection rods
- A trailing cartridge
- Clamping detection modules
- Position detection modules
- Fast plugs connectors
- A protection cover



Technical characteristics

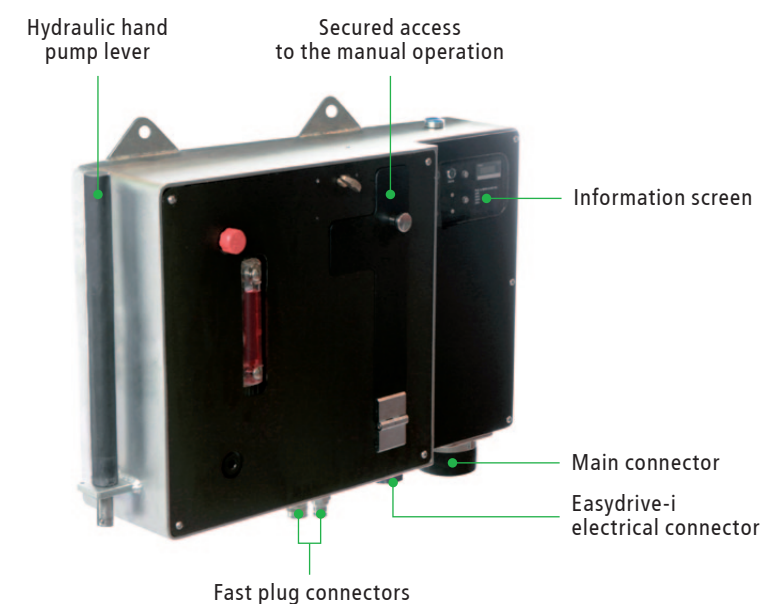
- Length: 535 mm
- Width (off rods): 620 mm
- Height: 145 mm
- Weight: 95 Kg
- On-site adjustable stroke: 100 to 160 mm
- Operating force: 4 000 N
- Operating time: < 2.5 s
- Ingress protection rating: IP67
- Safety Integrity Level: SIL4



Operation

The Easydrive-i operates the switch, clamps and detects the position of the blades. The external hydraulic unit moves a jack and therefore actuates the switch. In end positions, the Easydrive-i point machine clamps the applied switch blade and engages the position detection system.

In case of trailing*, the open switch blade is released. This process leads to the exit of the clamping and the point machine shifts to the opposite position.



External hydraulic unit description

The hydraulic unit is made up of various components:

- An information screen
- A secure access to the manual operation
- A manual/motor detection
- A hydraulic unit
- An emergency hand pump
- Fast plug connectors
- A Easydrive-i electrical connector
- A main connector
- A hydraulic hand pump lever