

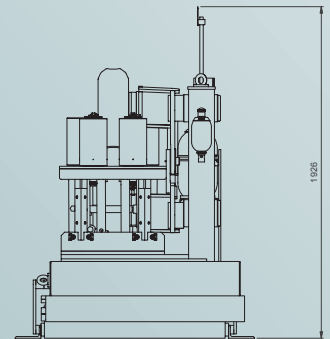
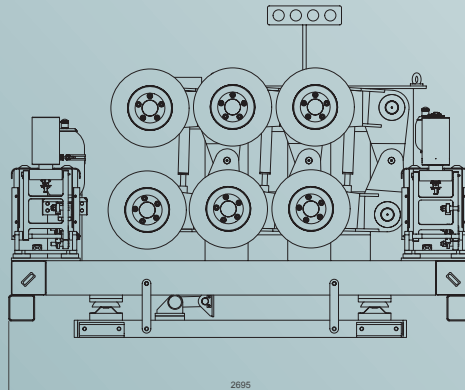
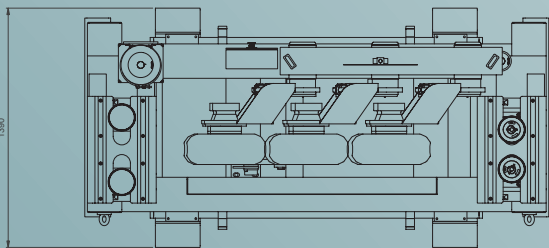


Linear Cable Engine - 3 wheel pair (Rig 73)

Our Linear Cable Engines (LCEs) are purpose-built for laying and general handling of telecommunications cables and have been supporting cable lay operations internationally for decades. Rig 73 is a 3 wheel pair LCE powered by a standalone hydraulic power pack (HPU) and controlled via a remote, ergonomically designed control desk. With a robust construction, Royal IHC LCEs are suited for operations in the harshest environments. Rig 73 can be modularly combined with other units from our fleet to create cable engines of up to 24 pairs, which can be operated from a single desk.

Key features

- pivoting wheel arms for automatic passage of repeaters or other bulky inline objects
- wheel arms can be opened and closed independently depending on operational requirements
- modular design for attachment to additional LCE units, expanding up to 24 pairs
- wheel pairs will automatically close and can hold the product in emergency or power loss situations
- simple handling and deck mounting for rapid mobilisation
- rental projects are supported by experienced operators and engineers, offering assistance to client projects from concept to completion.



Specifications

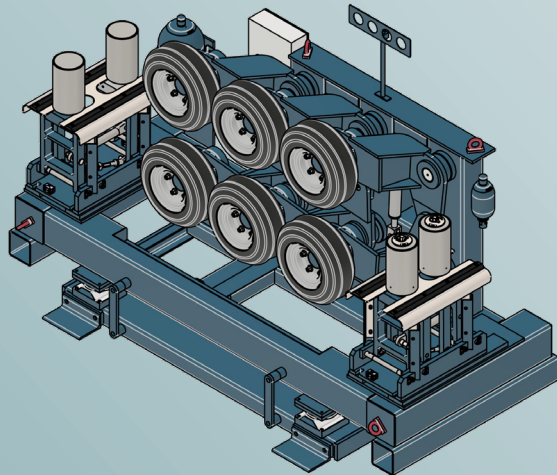
- **Maximum dynamic pull:** 2.5Te
 - **Maximum speed:**
 - over 185m/min (6 knots)
 - 150m/min with all wheels in drive
 - **Wheel pinch:** 11.5 to 14.4kN per wheel (adjustable on request)
 - **Cable range:** 15mm to 300mm
 - **Maximum opening:** 400mm
 - **Cable guides:** hydraulically actuated inlet/outlet roller guides
 - **Load monitoring:** within 5% of range
 - **Firing line:** 1030mm.
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Operating modes

- **Manual:** speed control from desk potentiometer
 - **Auto (CT):** manual speed control in both directions with max tension set point
 - **Render:** tension control pay out.
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Transportation

- **Dimensions:** 2,695mm x 1,555mm x 1925mm (LxWxH)
- **Weight:** 3.0Te
- **Handling:** supplied with dedicated lift set.



System interfaces

- **Deck mounting:** bolted connection to sacrificial plates to be welded to deck
 - **Power requirement:** HPU dependent but typically 440V / 3 phase / 60Hz / 125A
 - **Survey output:** speed, distance and tension available via RS232 or RS485 connection.
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Additional equipment

- **Control desk:** dedicated IP56 control desk
 - **Interconnections (LCE to HPU):** 10m (extended lengths available on request)
 - **Interconnections (LCE to control desk):** 15m (extended lengths available on request)
 - **Spares package:** dedicated spares package supplied as standard.
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Additional services

We offer a range of services to complement our equipment rental.

- **Testing and training:**
 - additional system testing bespoke to client requirements
 - friction testing
 - client operator training
- **Deck layout support:** assistance in optimising deck arrangements for efficient operations
- **Operator support:** trained operators available for short or long-term project support
- **Logistics assistance:** we can handle all logistical aspects, ensuring smooth delivery and setup on-site.