



**LANCIER**  
CABLE GMBH



## SmartWheel



Full electric sensor technology avoids  
any kind of cable damages

## Lancier Cable: Your partner for innovative solutions

For more than 110 years, the name LANCIER has stood for a comprehensive and technically high-quality range of machines and equipment for cable and duct laying technology.

As an innovation from our company, the SmartWheel is a good example of how we can provide you with real added value as a technological pioneer on the market.

### Laying fiber optic cables is now smart.

The market demands it, we deliver it: With our newly developed SmartWheel fiber optic cable blow-in unit, you are able to blow in micro and mini cables without breaking them.

The technical innovation behind it, is a measurement of the real thrust force and an intelligent control system that prevents a predefined limit value from being exceeded.

Until now, the thrust force in fiber optic blow-in devices has been determined purely by calculation, and there is no feedback based on the real thrust force acting on the cable. With the SmartWheel, this is fundamentally different: By means of a new type of sensor control, the actual thrust force is measured, so that exceeding a previously defined limit value is automatically prevented - without manual intervention.

**The SmartWheel can be upgraded soon from semi-automatic to fully automatic by software update.** Be perfectly prepared for the future.

### More convenient operation and significantly less waste.

The limit value required for semi-automatic control is determined on site by a crash test. The SmartWheel then ensures that you can blow in the fiberoptic cable without damage. This significantly reduces your scrap.

In addition, the SmartWheel can be converted without tools via a single-lever mechanism, which significantly increases your working comfort. An intelligent control system supports the operator and enables intuitive working. The removable display allows the SmartWheel to be operated in comfortable working positions at any time.

### Scope of delivery

- Machine
- Duct clamps: Ø 7;10;12;14 mm
- Seal for all cable and pipe sizes
- Compressed air hose
- Transport box



**Convenient operation via a removable display:**  
intelligent control for operator support



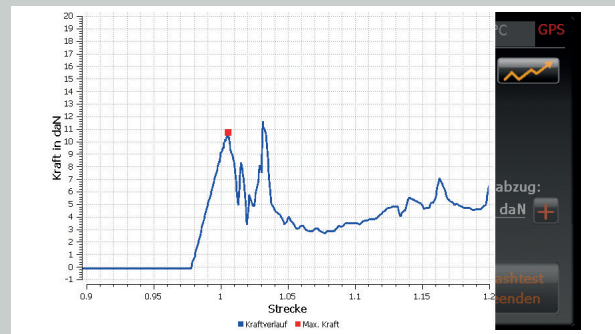
**Real thrust force measurement by innovative sensor control** and thrust force determination to ascertain the limit value

## Technical data

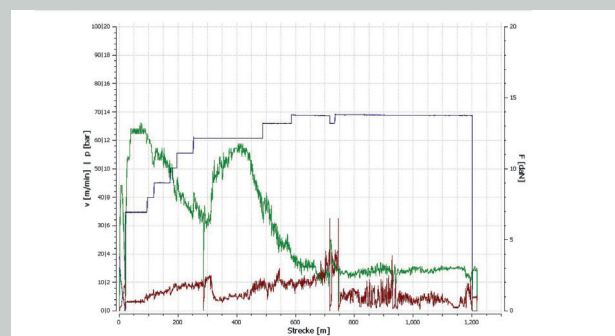
- Pushing force: 20 daN
- For cable sizes from 1.5 - 9 mm
- For duct sizes from 7 - 14 mm
- Protected measuring system
- Electric drive 230 V
- Rubber coated drive wheels
- L x W x H: 500 x 400 x 400 mm
- Weight: approx. 30 kg

## The most important features

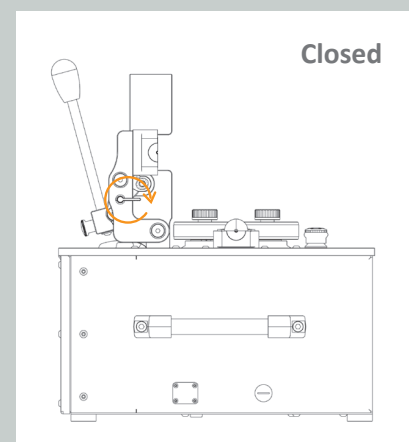
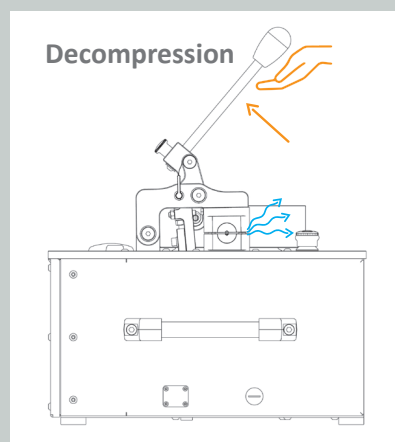
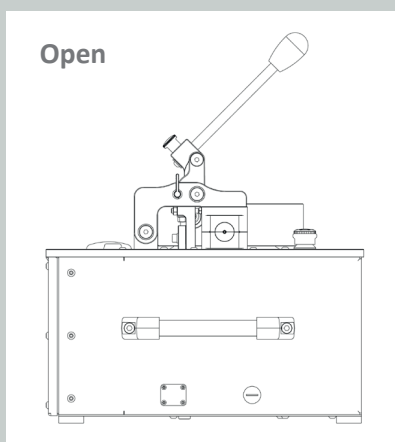
To determine the permissible pushing force of the cable, it will be damaged by the crash test. The pushing force is measured and the breaking point will be identified. This value is fed back as the result for the limit value analysis. Further measurements are taken to identify the deviations of the pushing force. The system monitors and checks each individual process. The detected tolerance can be modified manually.



- All settings and pre-selections, such as speed and duct pressure, can be adjusted via the control panel.
- The limit value of the pushing force determined out of the crash test is automatically adopted for force limitation



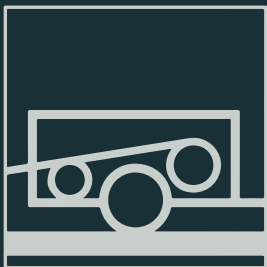
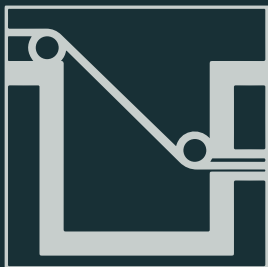
- Forward and reverse
- Automatism for **slip monitoring** and adjustment of the contact force
- Patented measuring technology of thrust monitoring for automatic speed regulation using SmartControl



- **Single-lever operation** for simple and fast opening and closing
- Safe decompression of the blowing head
- Conversion to other cable and duct sizes **without any tools**.

## Your advantages on the point

- **For micro and mini cables** with intuitive operation
  - **Real thrust measurement** by an innovative sensor control
  - **Thrust force determination** to ascertain the limit value
  - **Tool-less conversion** for quick and easy operation without any additional attachments
  - **Sensor technology for slip prevention**
  - **Intelligent control for operator support**
  - Adjustable and removable display
  - **Single-lever operation** for easy and fast opening, decompressioning and closing
  - **Upgradeable to a fully automatic machine** via software update
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# LANCIER

LANCIER CABLE GmbH | Gildestraße 15 | D-48317 Drensteinfurt, Germany  
Phone: +49 (0) 2508 / 99378-0 | Fax: +49 (0) 2508 / 99378-10 | [mail@lancier-cable.de](mailto:mail@lancier-cable.de) | [www.lancier-cable.de](http://www.lancier-cable.de)

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