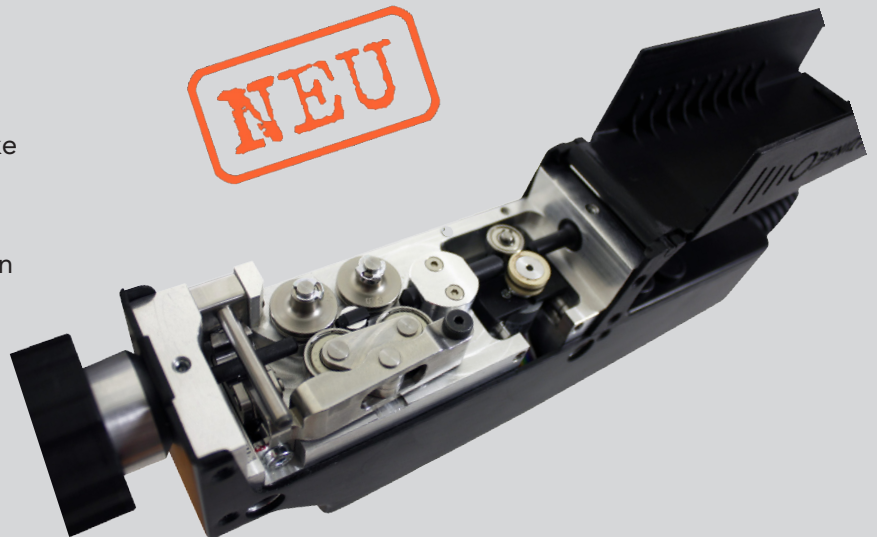


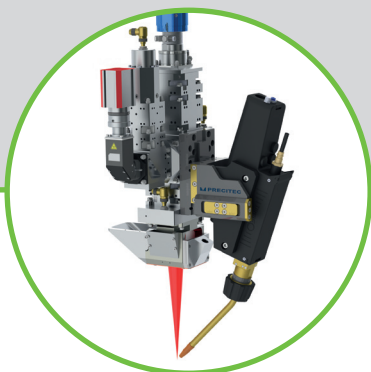
Advanced Front Drive for laser applications

„High-precision wire feeding for welding and brazing.“

- ▶ new developed front drive system
- ▶ integrated wire sensor and wire brake
- ▶ fully digitised control unit
- ▶ easily operated touch screen function
- ▶ detailed monitoring



AFD-System
Advanced Front Drive



Dinse - innovations with system.

The new developed front-wheel drive DINSE DIX FD LS 100 / LS-WB is a dynamic drive unit combined with a wire sensor and wire brake. The innovative four-roller system ensures an even more powerful wire feed. A complex diagnostic system monitors all the hardware and software of the DINSE system and documents all relevant data. The control unit DIX FDE 100 L can be conveniently operated via a touch screen display.

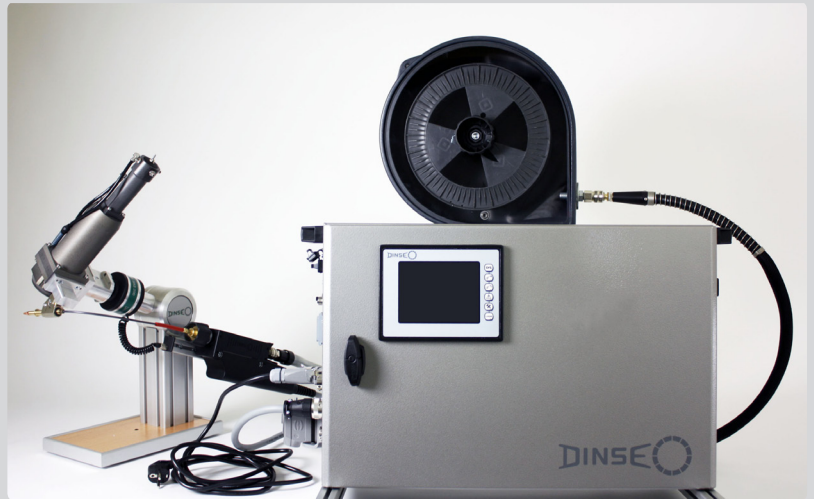


Strong system

With the new laser wire feeding DINSE provides a lightweight, handy unit with a strong four-roller front wheel drive. The integrated wire sensor ensures a precise distance measurement and provides an accurate wire positioning. The integrated wire brake secures a precise wire position during robot movements without welding.

Precise wire feeding

With the DINSE PUSH-PUSH technology two completely decoupled drive units ensure wire feeding of the greatest precision, regardless of torsion, bending and length of the set. It opens up a new dimension of highly precise wire feeding and process design for the user.



Convenient operation by touch screen

A new display with a touch screen allows the microprocessor-based control to be more intuitive and easier to use. Advanced functions and a clear presentation of all relevant data enable easy programming and processing of all production parameters.

Process monitoring in perfection

- ▶ depending on the application, all welding parameters are freely programmable (feed rate, transport time, gas flow, hours of operation).
- ▶ for the monitoring of wire, gas or water additional sensors can be added.
- ▶ the integrated software monitoring documents all relevant data.
- ▶ the continuous wire feed monitoring generates warning messages that can be read and saved for logging on a SD memory card.

