

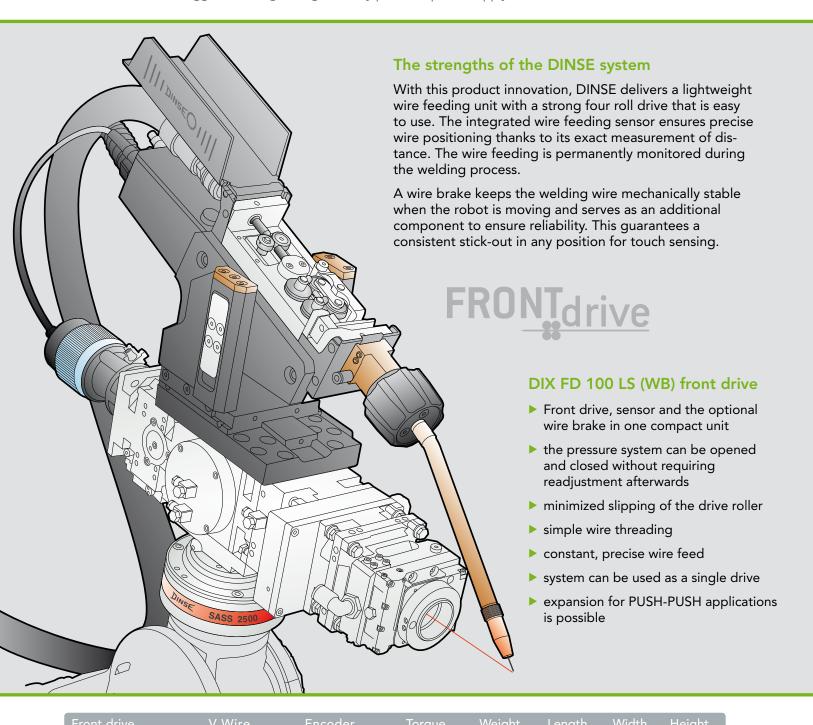
### Wire feeding systems for welding applications





## Precise cone contact – for safe, sustained welding.

When performing stationary or mobile welding, every movement of the hand counts. This is where the original DINSE connector proves its value. Just plug it together, tighten with a quick twist of the wrist and the connection is perfect. DINSE connectors and sockets are simple, safe, rugged and long-lasting and they provide optimal supply of current.



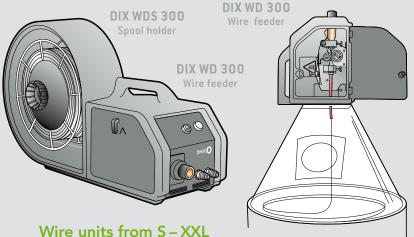
DIX FD 100 LS (WB) 0,3-24 m/min 1600 Impulses 1,2 Nm 1,8 kg 268 mm 56 mm 101 r						. 5		
	DIX FD 100 LS (WB)	0,3-24 m/min	1600 Impulses	1,2 Nm	1,8 kg	268 mm	56 mm	101 mm

<sup>\*</sup> WB Wire brake, optional

### DINSE wire feeding -The perfect interaction.

Different versions - one aim: perfect wire feeding. DINSE's PUSH-PUSH and SingleFeed systems offer the ideal solutions and can be combined perfectly with the innovative DINSE SupraFeed technology.



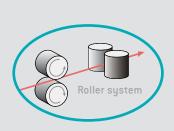


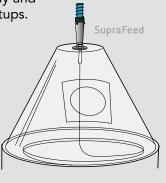
DINSE wire feeding systems are flexibly adaptable to a variety of spool holders, large spools and wire drums.

### Wire feeding with SupraFeed

With SupraFeed DINSE offers a new approach to low-friction feeding of welding wires. Instead of using liners, the filler material slides over the rolls. This opens up an entirely new dimension of uniform wire feeding - with a significantly reduced amount of maintenance required.

SupraFeed can be integrated easily and flexibly into a variety of system setups.



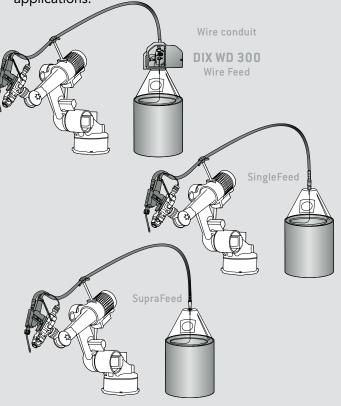


### PUSH PUSH

### The technology for top performance

DINSE's PUSH-PUSH technology works with two fully decoupled drive units ensuring demandactuated wire feeding to the FD 100 front drive. The speed controlled front-motor feeds the exact quantity of wire that is needed. The adjustable torque of the rear motor limits the feed force and prevents the filler wire from buckling in the torch set.

The DINSE wire feed can handle cold and hot wire. The single drive can also be modified for TIG applications.

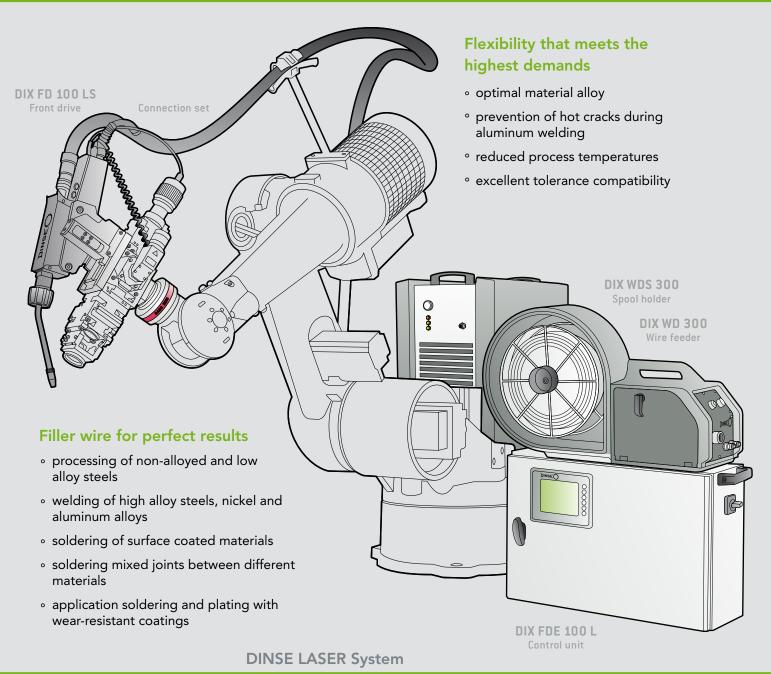


Adapter-set	Connection set	Connection
DIX FD 100 AS-CW	FD 100 CS-CH	Wire conduit
DIX FD 100 AS	FD 100 CS-SF	SupraFeed direct



# DINSE Laser – The system for sophisticated processes.

Complicated component geometries, welding seams in visible areas and unique stability requirements demand the highest quality welding. This is where DINSE systems prove their value. Whether with cold or hot wire: the use of filler wire for laser welding and soldering provides key technological advantages.



- wire feeding
- front drive
- connection set

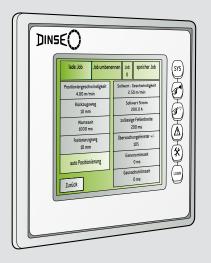
- ► PUSH-PUSH auxiliary drive
- control
- ▶ wire feed (drum, spool etc.)

SOLDADURA — WELDING — SOLDADURA — WELDING — SOLDADURA —

## DINSE control – Convenient operation and control.



The innovative control package featuring convenient touchscreen operation using the new color display regulates the entire hardware and software used in the DINSE system. The expanded process monitoring documents all relevant data.



#### Convenient touchscreen operation

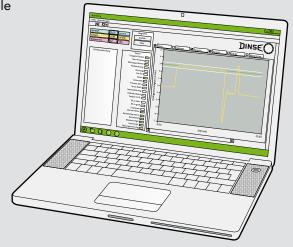
The microprocessor-based controls are even more intuitive and convenient to use thanks to the new color display. Optimized functions and a clear overview of all relevant data allow all production parameters to be programmed and processed easily.

#### Integrated diagnosis

Both the hardware and software are continuously monitored and compared to the target values by the DINSE diagnostic tool. This allows irregularities to be identified quickly and potential sources of error to be eliminated in advance.

#### Perfection in process control

- all parameters are freely programmable (e.g. exact volume of filler wire, gas flow time, tolerance window)
- monitoring of wire feed, gas and water with connectible sensors
- expanded process documentation of the output and consumption data for component monitoring
- absolute transparency thanks to continuous motor monitoring, warnings and error protocols that can be exported to an SD card
- external PC monitoring with freely selectable parameters can be used with an online display
- all standard port connections available



Controll unit	V Wire	U Connection	P <sub>power consumption</sub>	Protection	Length	Width	Height
DIX FDE 100 L	0,3-24 m/min	230l115 V/50l60 Hz	160 VA	IP 23	600 mm	200 mm	400 mm



### DINSE Technology applications – On water, land and in the air.

DINSE wire feeding systems offer a flexible concept for modern production processes for the welding and soldering of vehicle parts, for skin-stringer joints in airplane construction and for plating turbines in shipbuilding.







#### Tried, tested and proven in production

Whether for high stiffness in the chassis, clean seams in visible areas or for especially durable welding seams – DINSE technology meets the strictest requirements found in automated production.

- cold and hot wire applications
- welding and brazing
- TIG- and laser applications with filler wire
- · coating with the aid of various beam sources
- rapid prototyping processes
- manufacturing of new alloys
- injection of smelts

### A range of connection options

The DINSE wire feeding system offers modular, adaptable connections for a number of applications, e.g. compressed air, cold wire, hot wire with water supply and many others.

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