



DINSE WireJet

FULLY DIGITAL DRUM WIRE FEEDER



COMPACT.
POWERFUL.
RELIABLE.
PROCESS-STABLE.
VERSATILE.

THE PROBLEM SOLVER FOR YOUR WIRE FEEDING CHALLENGES.

- ▶ Only 2 kg total weight – mountable without additional support structures
- ▶ Wire feed speeds from 0.4 up to 30 m/min
- ▶ Consistently high weld quality
- ▶ Proven reduction of downtime and rework
- ▶ Easy integration into existing monitoring and robotic systems
- ▶ Wire feeding distances of up to 40 meters with reliable process stability



DINSE WireJet

ONLY 2 KG TOTAL WEIGHT

Maximum compactness for reduced space requirements, minimized design effort and faster drum change-overs.



PERFECT WIRE FEEDING FOR PERFECT RESULTS: RELIABLE PROCESS STABILITY OVER DISTANCES OF UP TO 40 METERS.

Stable processes over long distances and flexible wire drum positioning – for improved accessibility, faster drum changes, reduced material consumption, less rework and noticeable cost advantages in system design.

HIGH-PERFORMANCE MOTOR WITH WIRE FEED SPEEDS FROM 0.4 M/MIN UP TO 30 M/MIN

Suitable for a wide range of materials, seam geometries and process windows – ideal for changing production requirements.

CONNECT. EXCHANGE SIGNALS. READY TO OPERATE.
SEAMLESS INTEGRATION INTO EXISTING MONITORING AND ROBOTIC SYSTEMS.

Easy integration into existing systems increases the level of automation and enables reliable wire-end detection – without additional sensors. This helps prevent welding defects, reduce restarts and sustainably lower rework and operating costs.

DETAILS, THAT RELIABLY SOLVE YOUR CHALLENGES

With the WireJet, quality is in the details – for easy handling, reduced sources of error and greater efficiency in everyday production.

✓ PRECISE AND CONSISTENT MOTOR POWER

Consistent quality, minimized downtime and lower operating costs – powered by fully digital control and a high-end servo motor.

✓ MONITORING SIGNAL

Automatically analyzable error information enables early fault detection – reducing rework and accelerating troubleshooting.

✓ DN7 QUICK-RELEASE CONNECTION

Fast replacement and secure connection. Prevents assembly errors, saves time and ensures consistently high quality with reduced rework.

✓ ELECTRONICALLY ADJUSTABLE PARAMETER VALUES VIA THE DISPLAY

Digitally and precisely adjustable parameters ensure reproducible results, minimize rework and give the user confidence that the system is always optimally configured.

✓ FORCE-CONTROLLED WIRE FEED

Reduced wear and autonomous operation without synchronization with other drives ensure gentle wire guidance.



TECHNICAL DATA

Wire feed speed	0,4 – 30,0 m/min
Wire diameters	0,8 / 1,0 / 1,2 and 1,6 mm (other diameters on request)
Protection class	IP 20
Noise level	< 70 dB(A)
Housing dimensions without assembly (L/W)	240 mm x 99 mm
Weight	approx. 2 kg
Ambient temperature – operation	- 10 °C – + 40 °C / 14 °F – 104 °F
Ambient temperature – transport and storage	- 10 °C – + 55 °C / 14 °F – 131 °F

Motor data

Supply voltage	24 V/3 Phases
Maximum motor current consumption	2,28 A
Drive ratio	16,7: 1
Rated power	45 W
Terminal resistance	0,787 Ω

Encoder data

Number of pulses per 1 rpm (motor shaft)	512
Number of pulses at 1 m wire feed	136.084
Frequency at 25 m/min wire feed speed	56,7 kHz
Number of channels	3 (A,A)(B,B)(I,I (Index)) (the index signal "I" is synchronized with channels A and B)
Supply voltage	5,0 VDC (± 10 %)
Output signal	EIA Standard RS 422
Current per channel	-20 to 20 mA
The 0° angle value is aligned to the commutation phase of winding 1 (corresponding to Hall signal 1 of the motor, block commutation)	

Control

Integrated motor control board	2A
Input voltage	24 V DC
Connection	UTG010-4p

DINSE Partner:



DINSE is your dependable partner for the entire welding process. Contact us and schedule an appointment for consultation today. Together with you we will find the best solution for your application.



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