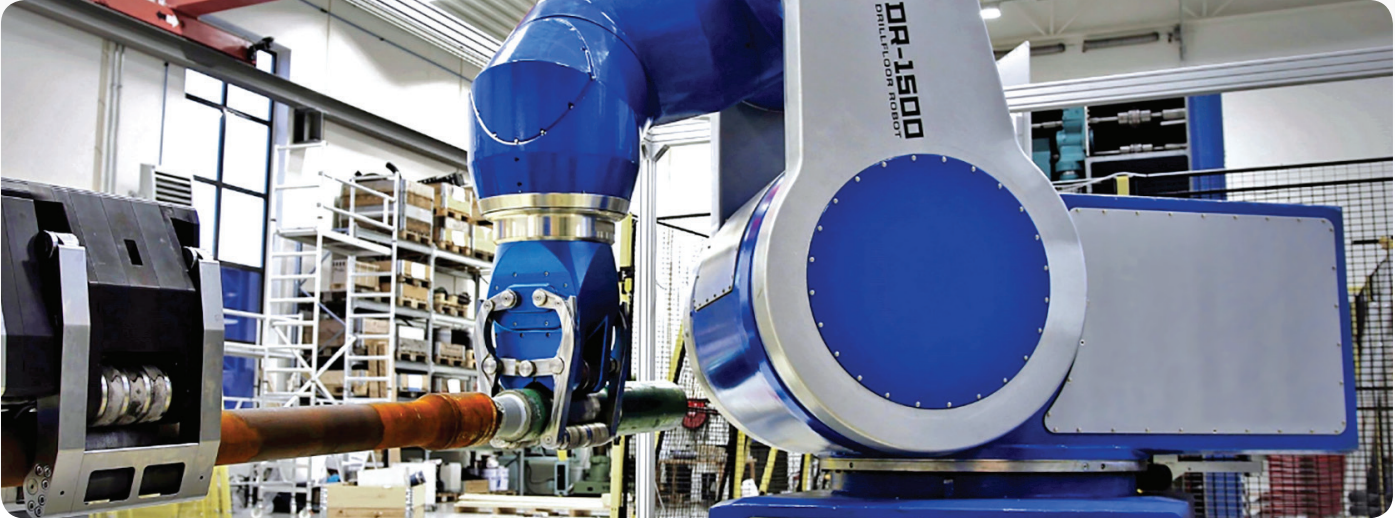


Drill Floor Robot

DFR-1500



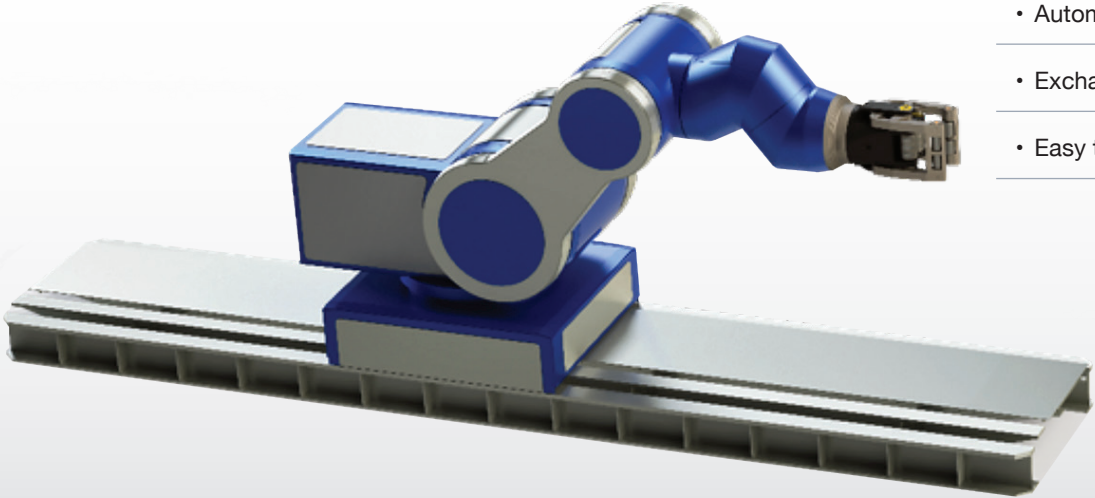
The fully electric Drill Floor Robot (DFR-1500) automates all pipe and tool operations to reduce the need for manual labor on a rig's drill floor.

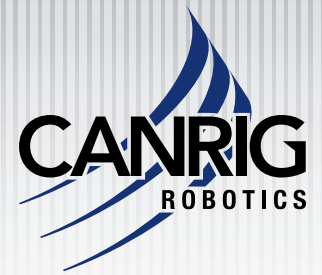
Automated grippers, spinners, clamping and other handling tools enable the DFR-1500 robot to perform safer, hands-free drill floor operations. With its unique Robot Tool Spinner Grippers (RTSG), the DFR-1500 can spin objects such as lifting subs, x-overs and stabilizers directly into or out of stick-up or other objects, for example spinning in a lifting sub off a BHA sub-assembly.

Its self-contained, built-in hardware controls and standard electric components allow for easy installation and low maintenance.

FEATURES & BENEFITS


- Lifting capacity 1,500 kg
- All electric
- Designed for operations in EX zone
- Automatic or manual control
- Exchangeable tools
- Easy to install





Drill Floor Robot

DFR-1500

TECHNICAL DATA	VALUE			
Services	Pick-up / Lay-Down and Spin In / Spin Out of drill floor components and tools, such as subs, x-overs, stabilizer and similar.			
	HEIGHT	WIDTH	LENGTH	
	3,170 mm	1,620 mm	5,200 mm	
	Robot Tool Spinner Gripper (RTSG): Spinner Gripper: 877 mm length and Ø492 mm diameter			
Weight	DFR	RTSG	CABLES	TOTAL
	13,000 kg	300 kg	100 kg	13,400 kg
Payload excluding RTSG	1,500 kg			
Payload with RTSG	1,200 kg at 2,500 mm			
Gripper reach/span (dia.)	2 7/8 Inch. to 10 3/4 Inch.			
Accuracy	+/- 2 mm at 25% load		+/- 5 mm at maximum load	
Gripper accuracy	+/- 2,5 mm for measurement of the diameter of the gripped object			
Repeatability	+/- 1 mm at any load			
Power requirements	Approximately 80 kW peak, 22,75 kW on average. Voltage: 400-480 VAC, 50/60 Hz / 3 phase+ N Circuit breaker: 100A Built-in energy recovery system.			

SALES INFORMATION
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