



PRODUCT	DLX200	The DLX200 is a 2 component resin metering, mixing and dispensing machine for the wind turbine industry.
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Fluid Research Ltd have been successfully involved with supplying the wind turbine industry with 2 component resin metering, mixing and dispensing machines for 20 years. Designing, developing and manufacturing innovative gear metering systems with fail safe ratio control crucial for the demands set down by the wind turbine industry.

Fluid Research's main activity for this industry is the processing of resins for infusion, gel-coating and surface repair applications and after working closely with our customers and listening to their requirements we are now able to offer our DXL200 adhesive mixing machine capable of 10 to 20kg/min depending on machine specification, with a ratio accuracy of +/- 1%.

We have a range of standard specifications and can also modify and customise specifically to suit your requirements.



DLX200



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Technical Specification

	STANDARD FEATURES	STANDARD OPTIONS
EQUIPMENT	DLX200	DLX200
Reservoir Tanks		
Metering Pumps	<ul style="list-style-type: none"> 1 x Part 'A' and 1 x Part 'B' precision geared pumps Size 60cc/cycle Mounted - directly onto cast aluminium follower Ratio range 1:1 to 20:1 Output rate 10kg/min after mixer and 9 metres of hoses Output after mixer and minimum hoses 17kg/min 	<ul style="list-style-type: none"> 2 x Part 'A' and 2 x Part 'B' precision geared pumps Part 'B' low viscosity gear pumps
Mixing Head	<ul style="list-style-type: none"> Mixer support mounted on machine frame <p>Mixer</p> <ul style="list-style-type: none"> High throughput injection block and 1" static mixer On mixer push button ratio check facility Flushing - programmable auto sequence single component base purge 	
Flow Monitoring		<ul style="list-style-type: none"> Independent helical screw with closed loop system constantly monitoring and adjusting the ratio to within predetermined tolerances +/- 1% Continuous visual readout of ratio and flow rate
Pneumatic Options		
Drive Options	<ul style="list-style-type: none"> Variable ratio gear metering system with directly driven precision gear pumps. Ratio control via inverter drives and geared AC motors Direct drive to gear pump Independent electric drive motor with inline gearbox and encoder Mounted on 6" twin post lift ram 	
Machine Control	<ul style="list-style-type: none"> Independent electronic drive, PLC controlled - HMI interface 	<ul style="list-style-type: none"> Auto barrel change over to enable continuous production
Frame	<ul style="list-style-type: none"> Sized to mount 2 x 200L drums Robust manufacture with swivelling casters 	<ul style="list-style-type: none"> Sized to mount 4 x 200L drums On board compressor Pneumatic/electric supply reels
Boom		<ul style="list-style-type: none"> 6M long with articulated middle Pneumatically lowered/raised to assist manual ratio checking Boom rotation allowed up to 270°

