

KINREI of America, LLC

Wire Machine Sales, Parts & Service

557 Route 23 South

Wayne, NJ 07470

Telephone (973) 677-9500 Fax (973) 673-0907

KINREI SINGLE TWIST STRANDER, MODEL FX600

<u>USES:</u>	Unilay stranding and bunching of fine copper (bare & plated) wire.
<u>CAPACITY:</u>	
STANDARD CROSS SECTION RANGE:	24 to 10 AWG in 7 or 19 wire constructions.
STANDARD SINGLE WIRE RANGE:	33 to 25 AWG (other sizes upon request)
SPEED	MAX 1,000 TPM; NORMAL SPEED 800 TPM; variable by AC frequency control unit
STANDARD TAKE-UP SPOOL:	Flange dia: 610mm (24.0") Traverse width: 340mm max. (13.4") Bore dia: 133.4mm (5.25") Overall width: 375mm max. (14.7") Gross weight: XXkg max(XXX lbs)
LAY RANGE:	20 – 180 mm (0.75 – 7.0")
<u>SPECIFICATIONS:</u>	
MACHINE HOUSING:	Unitized weldment; fully integral to the main Shafts. This stable frame provides noise and vibration absorption, and it is electrically and mechanically interlocked for safety.

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MACHINE INSTALLATION:	Installs directly on the factory floor on leveling plates without the need for foundation bolts.
MOTORS & POWER SUPPLY	15 kw induction motor
DIRECTION:	Right hand or left hand operation to be decided by customer
BEARING HOUSING:	Large heavy duty steel housings. The bearings are lubricated through an oil system.
CAPSTAN:	Capstan-less design. Lay pitch is adjusted by a direct digital input system. Control of the lay pitch is made by servo motor through a Kopp variator and patented planetary meshing gears. Highly accurate lay pitch is provided by this system.
TAKEUP SPOOL SUPPORT:	Shaft type; expanding steel arbor
SPOOL LOADING/UNLOADING:	Hydraulic lift is built-in. Flyer protection interlock to protect against mis-operation. No hoist is necessary.
TRAVERSE:	Motorized traverse. Adjustable traverse pitch is electronically controlled and is driven by servo motor.
START:	Cushion start by AC frequency control unit.

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BRAKE:	Air operated disk brake for emergency stop (6-7 seconds); normal stop through drive.
LENGTH COUNTER:	Independent revolving wheel type, electronic, contact type. Circumference of wheel = 500mm
AUTOMATIC STOP DEVICES:	<ul style="list-style-type: none">- Wire breakage (internal and external)- Take-up spool mis-alignment- Safety cover not in place- Set length reached on take-up spool- Low oil level
NOISE LEVEL:	Max. 82 DBA
FLOOR SPACE:	4090 x 1180 x 1615 mm (161 x 46 x 64")
MACHINE WEIGHT:	4,800 kgs (10,500 lbs)
DIE HOLDER:	Rotating die holder to accept customer's dies: 0.75" – 1.5" diameter range.
LAY PLATE:	Two adjustable Universal Geometry Lay Plates with ceramic eyelets.(19 wire & 12 wire w/ die holder)
ISOLATION TRANSFORMER:	480V/3PH/60HZ to 208V/3PH/60HZ
MAXIMUM LINEAR SPEED:	825 FPM

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ELECTRICAL EQUIPMENT:

Fully integrated touch screen operator interface featuring:

- Standard PLC for control and operation
- AC frequency control drive
- Operator controls
- Length counter with digital display
- Machine diagnostic indicators
- Start/Stop/Jog/Door Open/Lamp On button
- Speed indicator and selector
- E-Stop
- Lay direction selector (S or Z)

The above specifications are meant as a guide and they are subject to revision for performance, safety or value enhancement.