

KINREI of America

Model FX-600, Single Twist Strander



Unilay stranding and bunching of fine copper (bare & plated) wire.

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OF AMERICA

For more information contact:
973-677-9500 or shess@kinreiusa.com

USES:

Unilay stranding and bunching of fine copper (bare & plated) wire.

CAPACITY:

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: 350kg max (770 lbs)

LAY RANGE:

20 – 180 mm (0.75 – 7.0")

SPECIFICATIONS:

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.

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.

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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.
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
ELECTRICAL EQUIPMENT:	Fully integrated touch screen operator interface featuring: <ul style="list-style-type: none"> - 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.

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