

OVAL INTL.

OVALMATIC®

MODEL

E8700

WIRE TYING MACHINE

A series of dark green, wavy lines that create a sense of motion and depth, resembling a stylized landscape or a series of overlapping curves, located at the bottom of the page.

MODEL

E8700

OVALMATIC® WIRE TYING MACHINE

FEATURES AND BENEFITS

OVAL INTL.



*available in right or left hand configurations

ALL ELECTRIC WIRE TYING FUNCTIONS

No hydraulic oil leaks or clean up

TRACK

Proven low friction passive track design

AC VARIABLE FREQUENCY DRIVES

Closed loop control for Teister and Feed/Tension Unit gearmotors

ON BOARD PLC HMI (TOUCH SCREEN)

Features easy operation with built-in diagnostics and maintenance tools

OPEN DESIGN

Allows easy access for inspection and maintenance

SAFE 24 VOLT DC

Control design with E-stop and master control relay

TWISTER HEAD

All functions are cam and gear driven to maintain cycle timing

NO TWISTER HEAD ADJUSTMENT

KEYED COMPONENTS

MODEL

E8700



OVALMATIC® WIRE TYING MACHINE

STANDARD SPECIFICATIONS

TYING WIRE RECOMMENDED	Ovalmatic® Quality Unitizing Wire
ELECTRICAL SERVICE	380-575 VAC, 3PH, 50/60 Hz, WYE with solid ground, 7.5KVA supply. Transformer may be required. Excluding conveyor unit power requirements.
ELECTRICAL MOTORS	FEED/TENSION. 4.0kW (5 HP) NORD gear motor with NORD VFD TWISTER HEAD. 1.5 kW (2 HP) NORD gear motor with NORD VFD CONVEYOR DRIVE. Two 1.5 kW (2 HP) 380-575 VAC, 3 PH, 50/60Hz All motors supplied with the equipment. Variable frequency conveyor drives are customer supplied.
ELECTRICAL INTERLOCKS	STANDARD. Discrete I/O. 120 VAC or 24 VDC OPTIONAL. Allen Bradley Ethernet I/P or Siemens Profibus
ELECTRICAL CONTROL	Allen Bradley Compact Logix 5370 series with Maple Systems HMI OPTION PLC. Siemens 1200 Series PLC with Maple Systems HMI CONTROL VOLTAGE. 24 VDC
ELECTRICAL COMPONENTS	All components meet CE/UL/CSA standards
PNEUMATICS	Required for auto air blast. 5.5-6.9 Bar, 28 L/min. (80-100PSIG, 1 SCFM) Minimum filtration requirements. particulate filtration to 5 Microns with moisture removal and oil removal to 1PPM. Instrument air is strongly recommended where available. OPTIONAL. Wire Lubricator OPTIONAL. Twister Pinion Lubricator
CONVEYOR	Powered forward/reverse, 27 meters/minute (90 feet/minute) standard.
CONVEYOR GAP	STANDARD. 1,372 mm (54 in.)
CONVEYOR HEIGHT	STANDARD. 900mm (35.43 in.), [500mm (19.68 in.) minimum]
CONVEYOR WEIGHT	STANDARD. 635 kg (1,400 lbs.)
STANDARD BALE OPENING	915 mm x 610 mm (36 in. x 24 in.)
MACHINE WEIGHT	635Kg (1,400lbs.)
MACHINE HEIGHT	2,540mm (100 in.) at 900mm (35.43 in.) minimum conveyor height
MACHINE WIDTH	2,880 (113.4 in.) - excluding coil carrier dispensing station



MODEL

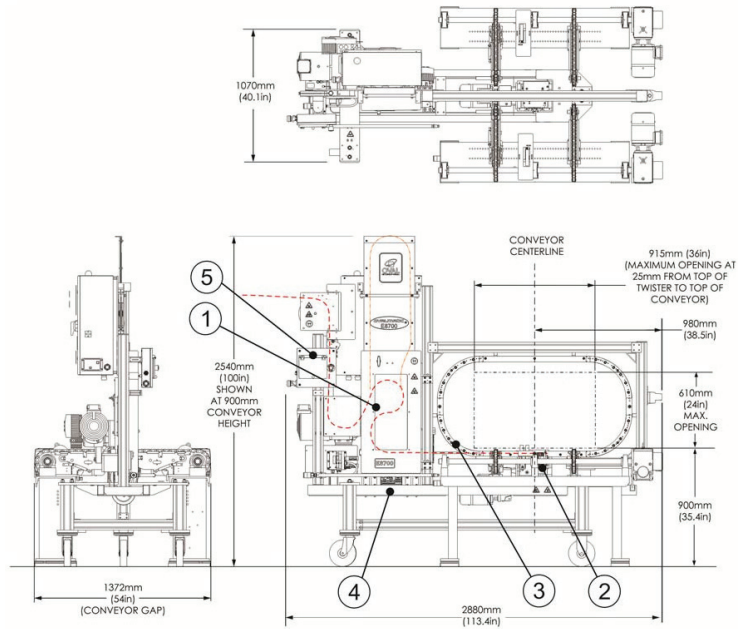
E8700

OVALMATIC® WIRE TYING MACHINE

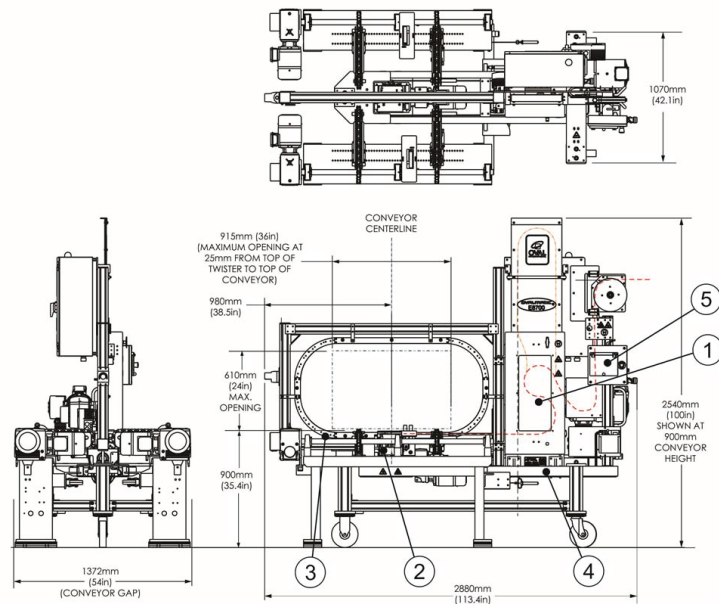
STANDARD ARRANGEMENT



RIGHT-HAND WIRE TYING MACHINE



LEFT-HAND WIRE TYING MACHINE



MODEL

E8700

OVAL^{INTL.}

OVALMATIC® WIRE TYING MACHINE

STANDARD ARRANGEMENT

OVALMATIC® COMPONENTS

The core of the Tying Machine is built on five Ovalmatic® components

1. Feed and Tension Assembly
2. Twister Assembly
3. Track Assembly
4. Frame Assembly
5. Control Assembly

ALL ELECTRIC DESIGN

All tying functions are electronically driven using closed loop AC drive technology.

1. Feeding
2. Tensioning
3. Gripping
4. Twisting
5. Cutting

Each of these assemblies is designed to provide maximum accessibility for inspection and maintenance function.

