

# 1000 Series Ram End Formers

*\*For most endforms up to 1" (26mm)*

## Model 1004EL

The 1004EL Electric End Forming Machine has 7 tons of ram force and 9 tons of tube clamp force, similar to our other 1000 series end formers. New to this 4-hit machine is an increased ram velocity of 14" per second, compared to the previous 9" per second, which provides users with a cycle rate improvement. The latest industry innovations are now included as standard features, rather than options, to ensure our customers are operating as efficiently as possible.

*\*Maximum tube diameter is dependent upon endform type, and tubing material type, grade, and wall thickness.*

### FEATURES & BENEFITS

#### Servo-Driven Precision Tube Stop Locator

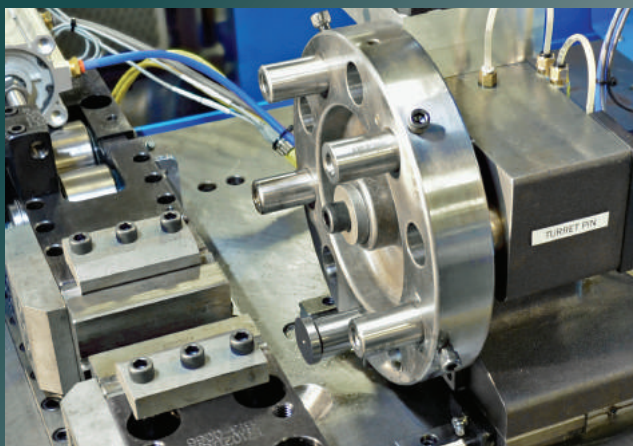
- Save time by adjusting the tube stop position without the use of tools (through the HMI)
- Achieve a more precise adjustment

#### Part Builder

- Capable of saving multiple part setup parameters
- When saved parts are selected, the number of hits and the tube stop/hit positions will self-adjust
- Improve setup consistency, save time, and reduce the occurrence of setup errors

#### New Frame Design

- Ideal for a narrower cell footprint
- Easier access for tooling change-over and maintenance
- Light bar illuminates workspace



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WAUSEON MACHINE

# 1000 Series

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### STANDARD FEATURES

- Servo-driven precision tube stop locator
- Part Builder (part parameter setup storage)
- Graphical user interface
- Low pressure lock-up
- Automatic drop-out
- Interior light bar

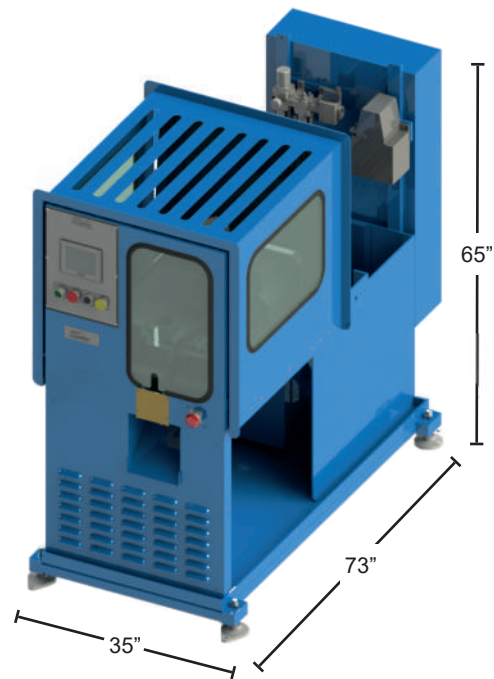
### OPTIONS

- Auto load/unload systems
- Light curtains
- Part lubrication systems
- Opti-touch cycle start
- Custom paint color

### SPECIFICATIONS

Ram Force	7 tons
Tube Clamp Force	9 tons
# of Ram Strokes	4
Ram Velocity	15" per second
Hydraulic Unit	Not Applicable
Ram Cylinder (bore)	Servo Electromechanical
Ram Stroke	6"
Max. Clamp Opening	1.50"
Cycle Rate	1.7 to 4.3 seconds
Air Requirements	80 psi, 2 cfm
Electrical Requirements	230/460 VAC, 3 phase, 50/60 Hz 60/30 amps
Weight	1750 lbs
Color	Standard Blue

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**Model 1004EL Footprint**  
35"W x 73"D x 65"H

***Innovative Production Machines for the Tube Fabrication Industry***



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